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# The W.W. BARNARD Co.
## SEEDSMEN

Catalogue
1913

**SEEDS**
**BULBS**
**SHRUBS**

231-235 W. MADISON ST.
CHICAGO, ILL.

# Grass Seed FOR Lawns, Pleasure Grounds, Etc.

The most beautiful feature of a city home or country estate is a well-kept lawn. Beds of many-hued flowers and stately trees embellish the surroundings, but it will be conceded that it is the rich, velvety, green lawn which completes the pleasing picture. In the luxuriant turf lies the whole secret.

## HINTS ABOUT LAWNS—Their Formation and Care

The ground should be thoroughly drained, and if not naturally rich, fertilizers should be added before sowing. For this purpose bone dust, crushed bone, or fertilizers containing bone and potash are the best. Use four or five hundred pounds per acre. For small plots, 10 pounds to about 400 square feet.

Work the soil by plowing or spading until thoroughly pulverized, being careful to leave the entire surface as near alike as possible, that the grass may be even in its growth; finish by harrowing or raking until made fine, and finally level by use of heavy roller. We recommend Dunham's Ball Bearing Lawn Rollers and carry them in stock.

Seeding may be done in **spring or fall.** If done during the hot months of summer, the ground must be kept moderately moist. With the ground prepared as directed, let the surface be gone over with a fine rake, and the seed evenly scattered, after which carefully rake or brush the seed in and follow with the roller. **To secure the best results use plenty of seed—about 75 pounds per acre being the right quantity. One pound is sufficient for 300 square feet.**

Let the grass get a good start before cutting—say a growth of 3 or 4 inches. When well rooted, a lawn should be trimmed with a lawn mower about once in ten days. No lawn can be maintained long in good order without successive rollings, which work should be done in the spring before the ground becomes dry. In very dry weather a thorough wetting should be given about once a week, a little water on a dry surface often doing more harm than good. Old lawns can be improved and renewed by the application of fertilizers and seeding about one-half the quantity for new lawns.

**In addition to prices on Grass Seeds add postage, if to be mailed.**

### "Perpetual Green" Lawn Mixture

A combination of various native and foreign dwarf-growing, fine-leaved grasses, carefully balanced and blended, with a view of producing a turf that will retain its rich green color throughout the entire season. This is our standard mixture that we have sold for years to parks, cemeteries and large private estates. Lb., 25c; 3 lbs. for 65c; 5 lbs. for $1.00. In larger quantities ask for special prices.

### Choice Mixture

While containing fewer and less expensive grasses than our "Perpetual Green," this is a good, well-balanced mixture which we do not hesitate to recommend. Lb., 20c; 5 lbs. for 85c.

### Barnards' "Special" Lawn Mixture

This mixture is composed of grasses selected irrespective of cost as representing the best low-growing, narrow-leaved varieties of fine texture and color. In preparing this "Special" mixture only seeds of the highest grades and extra heavy weight are employed. It costs more, but "it's worth more." Seeded liberally upon good ground, well prepared, a lawn of the very highest excellence will result. Lb., 35c; 5 lbs., $1.60.

### Terrace Mixture of Grasses

For seeding side hills, terraces, embankments, etc. A mixture of grasses whose roots penetrate deeply and bind the soil. When sowing, add to the mixture about one-fifth part of oats, which holds the soil together until the grasses have made a good start. Lb., 30c; 5 lbs. for $1.35.

### Shady Place Mixture

Made up of grasses selected for locations shaded by trees or buildings. Lb., 40c; 5 lbs., $1.75.

### Putting Green Mixture

This mixture is intended not only for putting greens, but for all lawns that are to be used as pleasure grounds and necessarily requiring a fine, dense turf—one capable of withstanding constant wear. With this in view, after experimenting with several combinations of the best fine-leaved, low-growing grasses, we selected those which, rightfully proportioned together, produced just the results we were endeavoring to obtain. We have furnished some of the best known golf clubs in the vicinity of Chicago with this mixture and it has given splendid results. Price, per pound, 35c; 5 lbs. for $1.60. Special price on large quantities.

### Mixture for Quick Effect

There is considerable demand for a grass seed that will produce a quick-growing turf. For this purpose we have prepared a mixture of a few strong-germinating, vigorous-growing grasses, which will produce a turf of fair quality within a few weeks after seeding The grasses in this mixture are mostly annuals or biennials, and such a turf could be relied upon only for one or two seasons. A permanent lawn could be secured, however, by re-seeding at any time with any of our other mixtures. Price, per pound, 15c. 5 lbs. for 70c.

### White Clover

Very scarce this season. Extra fancy quality. Lb., 50c; 5 lbs. for $2.25.

**Lawn Fertilizer** This is made up of various fertilizing ingredients, not only to invigorate the lawn, but to enable the grass to stand hot, dry weather. It is fine, dry powder, not unpleasant to handle. Apply at any time during the season, scattering it evenly over the surface. The best results are obtained by spreading this fertilizer in spring and in September and October, or during rainy periods in summer. **There are no weed seeds in this fertilizer.** For making new lawns it should be applied at the rate of 25 lbs. for 1,200 square feet. For top dressing use half the quantity. Price, not prepaid: 10 lbs., 45c; 25 lbs., 95c; 50 lbs., $1.75; 100 lbs., $3.

**PULVERIZED SHEEP MANURE.** An excellent fertilizer, not only for the lawn, but the vegetable garden and to mix with potting soil. Applied to the lawn, its effect is apparent immediately. Makes the richest, safest, and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a solution which can be used with safety daily if necessary. Price, not prepaid: 10 lbs., 25c; 25 lbs., 60c; 50 lbs., $1; 100 lbs., $1.50; 500 lbs., $6.50.

# Twenty-Fourth Annual Catalogue of
# THE W. W. BARNARD CO., Seedsmen

231-235 WEST MADISON STREET
Between Fifth Avenue and Franklin Streets, Chicago, Ill.

**Long Distance Telephone, Franklin, 635.**
**Private Exchange in All Departments.**

AS THE YEAR opens we regret the opportunity is not ours to thank each of our patrons in person for all their kindness and consideration in past years. We wish, however, to express our appreciation of their good-will and to extend our hearty wishes for their success in every possible way during the year upon which we are now entering.

231 THE W. W. BARNARD CO. 235
231 WEST MADISON STREET 235.

## Barnard's New Seed Store

occupies the entire building here illustrated. Call and inspect our displays in all departments. We assure you a cordial welcome. Experts to furnish advice and suggestions. Our retail customers will receive better service than was possible in our former store where room was less ample than now. If convenient to make your purchases at our counters, do so; otherwise send us your order by mail. We will appreciate your trade, however small.

## Remarks About Ordering

**Order Early.** You may save yourself trouble, some delay and inconvenience. **Orders are filled in turn** as promptly as the utmost dispatch will permit. **The best time** to order is as soon as convenient after receipt of this catalog.

**Please Make Out the Order with Care.** If convenient, kindly use the order sheet enclosed. Write plainly, place only one item on a line, and carry out the price. If you have Rural Free Delivery, give number of Route and Box.

**Remittance** (which should accompany the order) may be made by Chicago or New York Draft, Postoffice Order, Express Order, or Registered Letter. Small amounts can be sent in clean postage stamps of low denominations.

**State how** you want goods shipped. (Freight is cheapest when time permits.) In absence of instructions we use our judgment as to manner of shipment and route.

**Errors and Omissions** seldom occur with our system of filling orders. If such are discovered, hold the goods and write us at once. **We gladly correct all errors.**

While we exercise great care to have all Seeds, Bulbs, and Plants pure and reliable, we give no warranty, express or implied, as to description, quality and productiveness, or any other matter of any Seeds, Bulbs, and Plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

THE W. W. BARNARD COMPANY.

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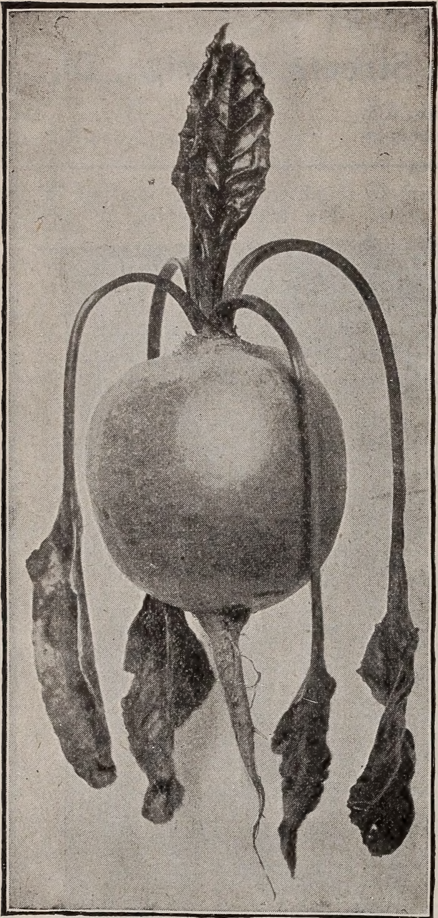
# New Varieties and Specialties of Vegetable Seeds

*List of Standard Reliable Vegetable Seeds Begins on Page 5*



BEET, FIREBALL

The vegetable seeds we offer on this and following pages embrace the new as well as standard varieties that are of superior quality, and we heartily recommend them to our patrons as reliable. Whenever we find a new or improved variety that is superior to what we already have, we endeavor to obtain the seed as quickly as possible and offer it to our customers. Nothing but the best is good enough; QUALITY first always.

The best time to order is immediately after receiving this catalog. We believe our prices, quality considered, will stand favorable comparison with those of other seed houses.

## GREEN POD BEAN—"Full Measure"

*"A Stringless, Round, Green-Podded Bean."*

Much effort has been expended by hybridizers of Beans to eliminate the strings, and a great advance has resulted along that line. **Full Measure** is a thoroughly bred, stringless variety. Its season is medium early. Pods long, straight, round, thick and meaty. Combined with these qualities are productiveness and long keeping. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50.

## EARLY CAPSICUM or PEPPER—"Nocera"

*"One of the Most Prolific Peppers in Cultivation."*

Sweetest and mildest of all Peppers. Can be picked from plant and eaten as one would eat an apple. It is an early fruiting variety and an abundant yielder. The plants make a very handsome appearance in any garden with their showy scarlet fruit, which attains to a large size. Be sure to plant this Pepper. Pkt., 5c; oz., 20c; ¼lb., 75c.

## An Ideal Table BEET—"Fireball"

*"Worthy of the Fullest Commendation."*

A few years ago we offered this fine Beet, and our market gardener customers who have since then been growing it find it of exceptional value to them because of its handsome appearance and splendid quality. In season about same as Crosby's "Egyptian." Globe shaped; smooth skinned; flesh solid, sweet; dark red in color. Pkt., 10c; oz. 20c; ¼lb., 50c.

## CABBAGE—"Danish Short Stem"

*"Plants Can Be Set Closer Than Other Cabbages."*

As compared with Ballhead, Danish Short Stem is ready for market ten days earlier. Heads of medium size; lighter in color; outer leaves set very close, producing more weight to the acre. Seed imported direct from Denmark. Pkt., 5c; oz., 25c; ¼lb., 80c.

## New Early Danish CABBAGE—"Copenhagen Market"

This new Cabbage is very heavy and solid, like the "Ball-head" type of Cabbage; makes a fine, large, globe-shaped head with well-developed outside leaves, but is very much earlier in maturing than any of the Danish Cabbages, in fact as early as Early Jersey Wakefield, and will give a much heavier yield per acre than that variety. It is short-stemmed, the heads being produced almost on the ground. The leaves are tightly folded around each other, which permits close setting of plants. **The heads mature all at the same time**; they do not string along all summer. It is without doubt the finest large, round-head Cabbage in cultivation. Pkt., 10c; oz., 40c; ¼lb., $1.50.

COPENHAGEN MARKET CABBAGE

## CAULIFLOWER—Barnard's "Snowball"

On account of its **dwarf, compact habit** and short outer leaves this variety may be planted very close. Almost every plant will make a large head of pure white color, and of the best quality.

The seed we offer is the product of the same reliable, thorough grower who has supplied us for years. The high standard to which this strain has been brought is maintained.

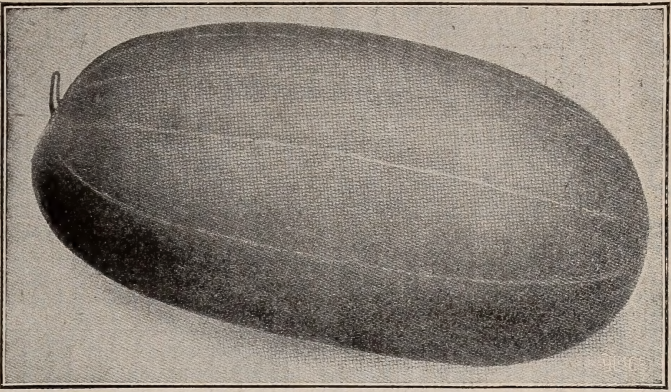
*Not only is this the best early variety, but it is superior to all others for fall use.* **It has stood the test of time, and stands unrivaled by any.** Pkt., 20c; ¼ oz., 75c; oz., $2.00; ¼ lb., $7.50.

## NEW WATERMELON

### "Tom Watson"

*"The Most Popular of All the Shipping Melons"*

A large, oblong variety of Watermelon which has met with favor wherever grown, and is fast becoming a favorite with both grower and consumer. It originated in Georgia, a State noted for producing fine Watermelons, and this new variety is a good example of what a first-class Watermelon should be. The rind is thin but tough, and the flesh a bright, attractive red color, very solid and of a delicious, sweet and satisfying flavor. Its appearance and quality strongly recommend it both for home use and for market as it is an excellent shipper for long distances. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.



WATERMELON, TOM WATSON

PEA, "SAXONIA"

## NEW EARLY PEA—"Saxonia"

A wonderful amount of effort and money has been expended to produce a large-sized "First and Best" Pea. Hitherto these attempts have only succeeded at the expense of earliness.

The New Saxonia, however, is *fully* as *early* and much larger and more prolific than the best strains of First and Best. This gives it a great advantage over any existing sort.

Saxonia is thoroughly fixed and free from sporting tendencies, 2 feet high, of healthy, vigorous growth, and very hardy. The pods are 3½ to 4 inches long, or *fifty per cent larger than the best strains of First and Best.* Matures for market quite as early as the latter. Pods appear in pairs. Pkt., 10c; pt., 30c; qt., 50c.

## NEW EARLY PEA—"Laxtonian"

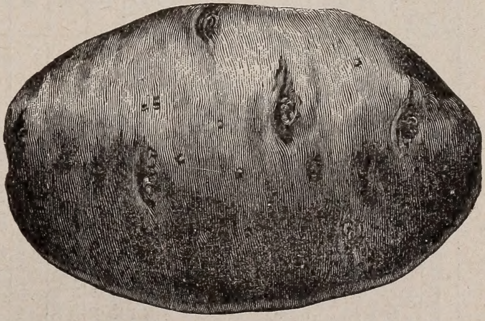
*"It Is Good in All Respects."*

Ready to pick several days before the Gradus, Prosperity, or Thomas Laxton. Quality excellent. The pods are very large, if anything, larger than the Gradus, and quite double the size of any Peas of the American Wonder or English Wonder type; but although so large, there is no puffiness in the pods—they are filled with peas, not wind. The individual pea is very large, and the pods, when shelled, give an exceptional quantity of peas in proportion to the pods. Average 18 inches in height.

**Color.** Both pods and haulm are of a particularly rich velvety green, denoting great vigor and constitution; the color of the seed, when ripe, is blue wrinkled.

**Cropping Qualities.** From top to bottom the haulm is covered with large, even-sized pods, on an average eight or nine pods on a vine, and the peas averaging nine to ten to a pod. Hardy, vigorous grower.

In all respects the greatest advance made in Dwarf Early Peas, and likely to remain so for some years to come, for it has all the essential qualities of a high-class pea. Pkt., 10c; pt., 35c; qt., 60c.



WHITE POTATO, ALBINO

## NEW POTATO—"White Albino"

The skin and flesh are extremely white, of exceptionally good cooking quality and very prolific, fully as early as the old Early Rose in maturing, and particularly valuable for the early market by reason of its fine shape and early maturity. The vines grow erect, and it is one of the best early varieties to withstand blight and disease. Plant this potato early in good soil and give it good cultivation, and pleasing results are sure at harvest time. One grand thing in favor of this early potato is its great keeping quality. Peck, 75c; bushel, $2.25.

For full descriptions of other good potatoes see pages 26 and 27. Let us book your orders NOW, then you will be certain to have your seed stock when wanted.

# Table of Carefully Prepared Cultural Information for the Latitude of Chicago.

| Soil Preparation and Suitable Fertilizer. | Amount of Good Seed (Average size). | | To sprout well! the thermom'r in the | | Approximate date to plant seed. | Name of VEGETABLE | HOW TO BE PLANTED. | | | DEPTH to cover | THIN to ? Rich soil farthest apart | Time for Crop to mature | Approx. YIELD under favorable conditions varies with season and sorts. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 oz. (or pint) average will sow: | Per acre Varies with distance. | Soil should read | Shade sh. av. | | | Drills | Hills | Transplant | | | | |
| South slope. Sandy loam, well manured the *previous* year. | 1 pint to 200 ft. 6-9 seeds to ft. | 24-32, quarts ....... | 75° | 60° | May 15 to June 15 | **Bush Bean** | 2-3 ft. | .......... | .......... | 2 in. | 4 in to 1 ft. | 45-65 days. | 75-120 bu. pods. |
| Warm, light soil. Manure in the hill with quick starter (blood or bone). | 1 pint will plant 80 hills, 6 seeds each | 12 16 quarts ........ | 80° | 65° | May 15 to June 15 | **Pole Bean** | .......... | 4 x 4 | .......... | 2 in. | 3-4 plants. | 65-70 days. | 75-100 bu. dry beans. |
| Fine, clean sandy loam, deeply stirred, rich with well rotted manure. | 200 ft., 8 seed balls to a foot. | 5-7 lbs. | 75° | 45° | Mar. 15 to Apr. 15 | **Beets, Early** | 12 to 18 in. | .......... | Thinnings to fill gaps | 1 in. | 4 in. | 65 days | 400-700 bu., or 1000-1200 bun. |
| Not quite so rich, otherwise the same | 200 ft., 8 seed balls to a foot. | 5-7 lbs. | 75° | 45° | Mar. 15 to Apr. 15 | **Beets,** Late or Field | 2-3 ft. | .......... | Thinnings to fill gaps | 1 in. | 6-8 in. | 150 days. | 15-70 tons. |
| Well drained, heavy loam. *Plenty* of manure. Top dress with sodium nit. | 3000-5000 plants from seed bed. | 2 oz. | 70° | 45° | Mar. 15 to Apr. 15 | **Cabbage. Early** | Seed bed | Set 18 x 30 in. | flats and open gr'd. | ½ in. | .......... | 105 days. | 8000 solid hds. |
| Less manure, but *frequent*, shallow culture. Nitrate of soda. | 3000-5000 plants from seed bed. | 2 oz. | 70° | 45° | Mar. 15 to Apr. 15 | **Cabbage, Late** | Seed bed or in field | 2 ft. x 3½ | open gr'd. | ½ in. | 1 in a hill. | 150 days. | 5000 solid hds. |
| Loam, *deep, fine*, and free from weed seeds, well rotted manure. | 300-600 ft. 30 seeds to ft. | 2-4 lbs. | 70° | 45° | Mar. 15 to Apr. 15 | **Carrot** | 18 in. | .......... | .......... | ½ in. | 3 in. | 150 days. | 10-40 tons. 400-700 bu. |
| As with cabbage, but needs a moist soil, frequently stirred on top. | 3000-6000 plants from seed bed. | 2 oz. | 70° | 45° | Mar. 15 to Apr. 15 | **Cauliflower** | Seed bed | Set 24 x 24 in. | Into flats & open gr'd. | ½ in. | .......... | 110 days. | 5000-8000 hds. |
| Moist and very rich; fine and easy to work in "handling" the plants. | 15000 plants from seed bed. | 2 oz. | 70° | 45° | Mar. 15 to Apr. 15 | **Celery** | Moist seed bed | shade til well up. | flats and open gr'd. | Shallow | Row 3-4 ft. 6 in. in row. | Season. | 15000-20000 hds. |
| Rather stiff, warm and rich, with quick acting (well rotted) manure. | 50 ft., 3 grains to ft., 35 hills 6 to each | 8 to 12 qts. | 75° | 60° | May 1 to June 15 | **Corn** Small and Early sorts | 3 ft. or | 2½ x 2 ft. | .......... | 2 in. | 9 in. in row. 3 to hill. | 55-70 days. | 1000-1200 doz. green ears. |
| Heavy, moist soil, with coarser manure. Keep the surface well stirred. | 50 ft., 2 to ft., 25 hills, 5 to hill. | 8-9 qts. | 75° | 60° | May 1 to June 15 | **Corn** Large and Late | 3-4 ft. or | 3 x 3 ft. | .......... | 2 in. | 1 ft. in row. 3 to hill. | 80-100 days. | 1100-1300 doz. green ears. |
| Fall plowed, or sandy loam. Warm exposure. Manure extra in hill. | 100 hills, 10 or 12 to hill. | 1-2 lbs. | 80° | 60° | May 20 to June 20 | **Cucumber, Pickle** | .......... | 5 x 5 ft. | .......... | 2 in. | 3-4 per hill. | 46-60 days. | 150000 fruit. |
| Warm soil and exposure. Very rich. Stimulate with liquid manure. | 2000-3000 plants. | 2-4 oz. | 80° | 70° | June 1 to July 1 | **Egg Plant** | Seed bed | 3 x 3 ft. | To [illegible] s needed. | Shallow | .......... | 150-160 days. | 8000-1000 fruits. |
| Warm, light soil, rich with well rotted compost. Top dress with nit. of soda | 1000 ft. row, 22 seeds to ft. | 3 lbs. in drill, 1½ lbs, use seed bed | 70° | 45° | Mar. 15 to Apr. 15 | **Lettuce** | 12-24 in. | Transp. t 1½ x 1½ | | ½ in. | 12 in. in row. | 65 days. | 15000-20000 good hds. |
| Very warm and dry soil, fairly rich. Manure in hill to start quickly. | 100 hills, 12 to hill | 1-2 lbs., depends on size of seed. | 80° | 60° | May 20 to June 20 | **Musk Melons** | .......... | 6 x 6 ft. | .......... | 1-2 in. | 3 good plants. | 120-140 days. | 6000-1000 ripe melons. |
| Melons need a quick manure in hill, and later can feed on coarse material | 12-15 hills, 10 seeds each. | 3-4 lbs., depends on size of seed. | 80° | 60° | May 20 to June 20 | **Water Melon** | .......... | 8 x 8 ft. | .......... | 1-2 in. | 3 plants. | 120-140 days. | 4000 ripe melons. |
| Fall plow, moist, *very rich* soil. free from weed seeds. Stir surface often | 300 ft., 20 to a foot. | 4-6 for bulbs; 40-100 for sets. | 65° | 45° | Mar. 15 to Apr. 15 | **Onion** | 14-20 in. | .......... | Large grow'g sort | 1 in. | 3-4 in. | 135-150 days. | 500-600 bu. |
| Moderately rich, but light and warm. Use wood ashes or potash manure. | 15 ft. row, 10 to ft.<br>150 ft. to pt., 10 to ft | 2-3 bu., as to size and distance. | 65° | 45° | Mar. 15 to Apr. 15 | **Pea, Dwarf** | 36 in., double row | .......... | .......... | 2-3 in. | .......... | 40-55 days. | 100 bu. pods. |
| Same—Keep dust mulch by surface cultivation, moisture must be saved | 100 ft. to 1 pint 9 peas to ft. | 2 bu. | 65° | 45° | Mar. 15 to Apr. 15 | **Pea, Climbing** | 4-5 ft. | .......... | .......... | 3-4 in. | .......... | 60-75 days. | 150 bu. pods. |
| Deeply stirred, mellow soil, rich with well rotted manure. | 300 ft. drill, 20 seeds to ft. | 4-6 lbs. | 70° | 45° | Mar. 15 to Apr. 15 | **Parsnip** | 2-3 ft. | .......... | .......... | ½ in. | 6 in. | Season | 500-800 bu. |
| Sandy and well enriched. Quick acting manure (liquid form best). | 150 ft. drill, 6 seeds to ft. | 10-12 lbs. | 70° | 45° | Mar. 1 to Apr. 15 | **Radish** | 10-18 in. | .......... | .......... | ½ in. | 1-3 in. | 30-45 days. | .......... |
| Any rich, well prepared soil. Dress with nitrate of soda. | 100 ft. drill, 30 seeds to ft. | 8-10 lbs. | 70° | 45° | Mar. 15 to Apr. 15 | **Spinach** | 12-18 in. | .......... | .......... | 1 in. | .......... | .......... | 200 bar |
| Fall plowed sod, warm and well drained. Manure in hill to start quickly. | 25-30 hill, 10 seeds each. | 2 lbs. | 85° | 60° | May 25 to June 25 | **Squash, Bush** | .......... | 4 x 4 ft. | .......... | 2 in. | plant s to hill. | 60-65 days. | 70000-90000 fruit |
| Fall plowed sod, warm and well drained. Manure in hill to start quickly. | 10-15 hills, 7 seeds each. | 3 lbs. | 85° | 60° | May 25 to June 25 | **Squash, Running** | .......... | 8 x 8 ft. | .......... | 2 in. | 3 plants. | 125 days. | 6000 ripe squash. |
| Well drained and warm. Not too rich for early sorts. | 5000 plants. | 1 oz. | 80° | 60° | May 15 to June 15 | **Tomato** | Seed bed | 4-5 ft. each way | Flats and ground | ½ in. | .......... | 60-70 days. | 8-16 tons. |
| New, sandy soil. No coarse manure. Ashes or potash salts good. | 500 ft., 20 to a ft. | 1-1½ lbs. drills, 3 lbs. broadcast. | 80° | 45° | July and August | **Turnip** | 15-30 in. | .......... | .......... | ½ in. | 3-12 in. | 60-65 days. | 600-1000 bu. |

**General Rule—Cover seed equal to four times the smallest diam.**

# General List of Vegetable Seeds

**Terms** All goods handled by us being of HIGHEST GRADE and priced, as we believe, as low as is consistent with their superior quality, we sell for Cash at the NET prices named throughout this catalogue (except as otherwise stated).

**Delivery** We mail and pay the postage on all seeds ordered by the packet, ounce, and ¼ lb. If larger quantities are to be mailed, add postage at the rate of 8c per lb.; 15c per quart for Peas and Beans, 10c per quart for Corn, to the prices quoted herein. Seeds in quantities of half pounds, pounds, pints and quarts, pecks and bushels, bulbs, plants, shrubs and other heavy and bulky goods are forwarded by freight or express at the expense of the purchaser.

## ARTICHOKE

**Green Globe.** Sown and grown in good garden soil, this variety will last for years. Its flower heads cooked like Asparagus are relished by many. Pkt., 5c; oz., 30c.

**Jerusalem Artichoke.** Write for price.

## SPARGEL, Ger. ASPARAGUS ASPERGE, Fr.

Asparagus seed should be sown in early spring, on rich, light soil, in drills a foot or more apart, covering the seed an inch deep. Thin to three or four inches, and keep the ground mellow and clear of weeds the first season by frequent hoeing. The next spring, transplant to a permanent bed, which should be in deep, mellow soil, made very rich by a liberal application of manure.

**One ounce will sow 40 feet of drill.**

**Bonvallet's Giant** Of recent years this giant variety has become a great favorite, as it not only combines high productive power and lasting quality, but it withstands the rust so frequently disastrous to Asparagus beds. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

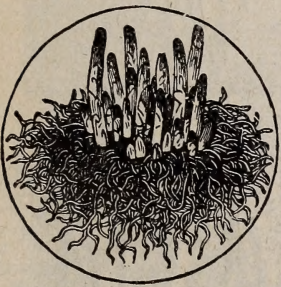
**Columbian Mammoth White** Produces shoots which stay white as long as fit for use **without earthing up or any other artificial blanching.** Nearly all seedlings will produce clear white shoots. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

**CONOVER'S COLOSSAL.** The standard variety. Popular, productive, and of good quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

**PALMETTO.** A large, dark-green variety, having pointed tips. By many growers considered the best for market purposes. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

## ASPARAGUS ROOTS

One-year roots are ready to cut two years from planting; two and three-year roots, the year following setting out. Plant in spring or fall.



## PRICE OF ASPARAGUS ROOTS

**Prices do not include postage. If we are to mail, add 25c per 100 for the 1-year-old plants and 50c per 100 for the 2-year-old plants.**

**Bonvallet's Giant.** One-year-old, 100, 75c; 1,000, $5.00; Two-year-old roots, 100, $1.20; 1,000, $8.00.

**Columbian Mammoth White** (see cut). One-year-old, 100, 60c; 1,000, $4.50. Two-year-old roots: 100, $1.00; 1,000, $6.00.

**Conover's Colossal.** One-year-old, 100, 50c; 1,000, $3.75. Two-year-old roots, 100, 75c; 1,000, $5.00.

**Palmetto.** One-year-old roots, 100, 60c; 1,000, $4.00. Two-year-old roots, 100, 75c; 1,000, $5.00.

**Asparagus**

BY H. M. HEXAMER

This is a practical and reliable handbook on the selection and preparation of the soil, planting, cultivation, manuring, cutting, bunching, packing and marketing. Special emphasis is given to the great importance of Asparagus as a farm and money crop. Illustrated. **Cloth, 50 cents, postpaid.**

## BONNEN, Ger. BEANS HARICOT, Fr.

### DWARF, BUSH or SNAP

In many localities the low-growing varieties are known under different names. Under this classification we include the best sorts selected after years of careful observation—Bush, Bunch, Snap, String or Dwarf Beans.

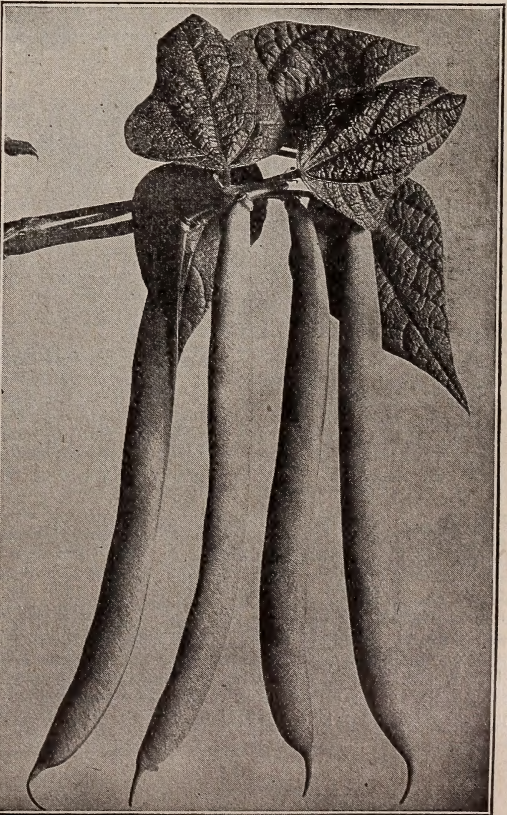
About the first of May select a warm, dry, sheltered spot; dig and manure slightly; make drills 2 inches deep and 18 inches to two feet apart; drop the beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession until September.

**1 qt. to 100 ft. of drill; 1½ bu. to the acre in drills.**

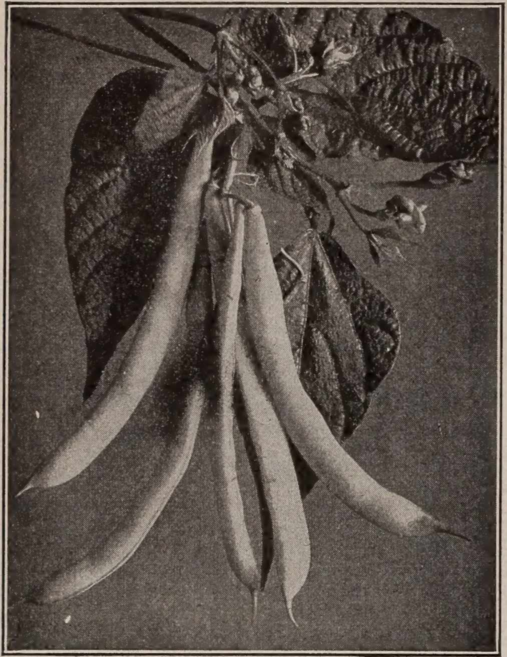
### Superior Green-Podded Varieties

**Improved Red Valentine** For snaps there is nothing superior to this variety among the green-podded sorts, and many prefer it to the wax varieties. Vine erect, with dark-green leaves; pods medium length, curved, cylindrical, with crease in back, very fleshy, crisp and tender; seed long, of medium size and unsymmetrical in shape; pink, marbled with red. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.50; bu., $5.50.

**Black Valentine** **An Extra Early Green Pod Bean.** It produces long pods that are almost straight, **round, thick and meaty.** They are soft green in color; in flavor unsurpassed. A good bean to force as well as to use for late planting. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.50; bu., $5.50.



BLACK VALENTINE BEAN



GREEN POD BEAN

If to be mailed, add 8c per pint, 15c per quart.

## DWARF GREEN-PODDED BEANS—Continued

**LONG YELLOW SIX WEEKS.** Early, upright in growth, very productive, with long, straight, thick pods of excellent quality. Seeds, when ripe, are olive-brown color. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.40; bu., $5.00.

**IMPROVED EXTRA EARLY REFUGEE.** A great improvement on the old and well-known Refugee, as it is very much earlier, ready to pick nearly as soon as Six Weeks, more dwarf and compact in growth, while the pods are round, solid, tender, and of the best quality. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.40; bu., $5.00.

**EARLY MOHAWK.** Hardy and very early. The long, straight pod and good shipping quality make it a desirable variety for market gardeners. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.40; bu., $5.00.

**LONGFELLOW.** This bean is very early, the pods being ready to gather several days before other green pod beans of the same size and quality. Pods long, straight and round, and of a beautiful pale-green color; flavor is delicious, and in every respect an ideal snap bean. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**Burpee's Stringless Green Pod** This fine bean is the only absolutely stringless green-pod bean in the market. **It is the earliest and most hardy of green-pod sort.** By repeated plantings pods may be had in constant succession from spring until cut off by frost. The plants are very productive, bearing profusely the beautiful green pods, which are nearly round, straight, broad, tender, brittle, of the finest flavor, fleshy, and entirely stringless. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**REFUGEE, or 1,000 to 1.** Valuable for hardiness, vigor, and productiveness. Pods round, thick, and tender. Beans, brown speckled. Season, medium to late. Extensively and entirely stringless. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.40; bu., $5.00.

**FULL MEASURE.** Fine green pod bean of recent introduction. Medium early in season. The long, straight, round pods are thick and meaty, stringless, and of excellent quality. It is also a splendid yielder. These qualities should be sufficient to recommend it to all planters. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

## DWARF GREEN-PODDED BEANS—Continued

### Varieties for Shelling

The largest return will result from planting in drills from two to three feet apart and leaving the plants two to six inches apart in the row. Up to the time of flowering they should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into bloom is likely to cause the blossoms to blast and so cut off the crop. The cultivation of beans should always be very shallow.

**LARGE WHITE MARROW.** The standard large white Bean commonly sold in market. Beans are good green or dry, of vigorous growth and productive. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

**WHITE NAVY.** Valuable chiefly as a field bean and considered by many the best baking variety. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**ROYAL DWARF, or WHITE KIDNEY.** Excellent cooked with sweet corn, making "succotash." Among best as a winter bean. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

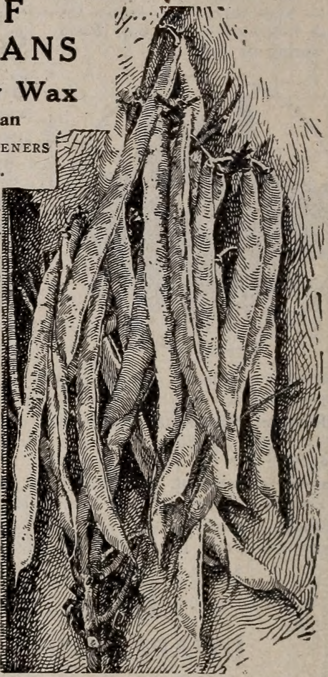
**DWARF HORTICULTURAL.** Late; productive and much esteemed for good quality of the beans. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.40; bu., $5.00.

## DWARF WAX BEANS

### Davis Kidney Wax

**The BEST Bean**

For Market Gardeners and Canners.



DAVIS WAX BEAN

The most hardy and productive wax-podded bush bean in cultivation. The large beans are pure white, kidney-shape, excellent for cooking, green or dry. The pods, while young, are stringless, tender, and of excellent flavor, very long, straight and uniform in size and shape; of a clear waxy white that does not discolor in cooking, making them most desirable for the canner. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.60; bu., $6.00.

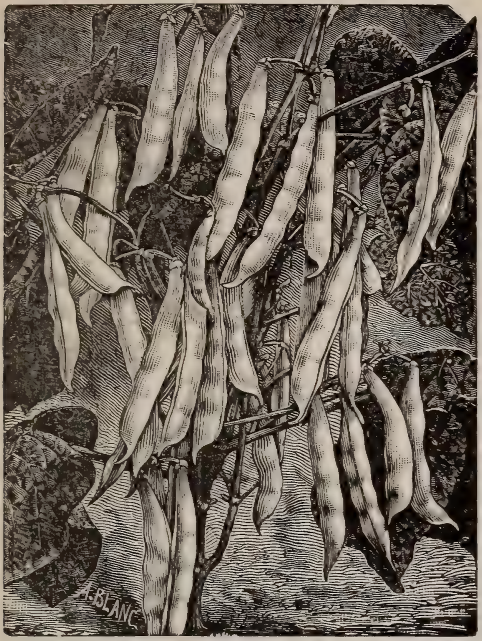
**Hodson Wax** In its class it is fully as valuable as the Green Pod, both being distinctly market gardener's beans on account of vigor and the healthy growth of foliage. **Follows Davis Wax or Wardwell's in season.** Pods average 7 inches in length; color, a clear light yellow. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**GOLDEN WAX.** Pods flat; golden colored; beans oval, white with more or less of two shades of reddish purple visible. One of the most delicate and finely flavored, as well as early. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**Wardwell's Kidney Wax** This variety maturing a little later than the Golden Wax, yields a large crop of long, nearly straight, flat, creamy white, handsome pods. These are of good quality, and always command a ready sale, making the variety one of the most profitable for the market gardener. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.60; bu., $6.00.

**PENCIL POD BLACK WAX.** Medium early. Pods round, pencil shape. Tender, brittle, and producing during a long season. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.60; bu., $6.00.

## DWARF WAX BEANS—Continued



CHALLENGE BLACK WAX

If wanted by mail, add 8c to pint, 15c to quart, extra.

**Challenge Black Wax** Fully **one week earlier** than any other. Pods clear waxy white, round, fleshy, crisp, and tender. The dry bean is jet black, long, curved, and rather flat. Packet, 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**CURRIE'S RUST=PROOF WAX.** Pods long, flat, and tender. Seeds blue-black. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**PROLIFIC GERMAN WAX.** Pods golden, even, stringless, and of fine quality. Seed black. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**REFUGEE WAX.** Produces round pods of a golden yellow color, and always remains tender. Suitable for early or late sowing, and for a wet or a dry season. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

## POLE BEANS

Pole Beans are even more sensitive to cold and wet than the dwarf varieties, and should be sown two weeks later. After settled warm weather, set poles four to eight feet long in rows four feet apart and extending north and south, the poles being three feet apart in the row. Around each stake plant five to eight beans, two inches deep.

**One Quart will make about 100 hills.**

**KENTUCKY WONDER, or Old Homestead.** Pods green, nine inches or more long, nearly round, fleshy, stringless, and of excellent flavor. Dry beans, long, oval, dun-colored. It is an early and most prolific variety. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**Burger's Green Pod Stringless** This is earlier than **Old Homestead**, and covers a longer season of productiveness. The pods, borne in clusters, average six to eight inches in length, are uniformly straight, of a rich dark green, and so meaty as to be really **"saddle=backed."** The pods are as entirely stringless as the popular **Burpee's Stringless Green Pod Bush Bean.** Pkt., 5c; pt., 20c; qt., 30c; pk., $1.65; bu., $6.

**GOLDEN CLUSTER WAX.** Long, broad, thick pods, borne in clusters. Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00.

**SCARLET RUNNER.** A favorite, both as a Snap Bean and for its flowers, which are of a bright scarlet. Seeds broad and kidney-shaped. Pkt., 10c; pt., 20c; qt., 35c.

## POLE BEANS—Continued

**Lazy Wife** This is a superior variety for the home garden, also as a field bean among corn. Desirable either for cooking in the pod or shelled for winter. The large, green pods are from 4 to 6 inches in length. Very tender, of delicious flavor. They are broad and thick, and are stringless until quite large. Dry beans are round, pure white. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.75; bu., $6.50.

**CUT SHORT, or CORN HILL.** An old variety that is in favor for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at the ends, white and partially dotted with spots. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

**DUTCH CASE KNIFE.** This is also used as a cornhill bean. Pods long and flat; beans flat, kidney-shaped, white, of excellent quality green or dry. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.50; bu., $6.00.

## POLE LIMA BEANS

Lima Beans are not only profitable as green shell beans, but are also a paying crop to sell as dried beans during winter. They are always in demand and bring good prices.

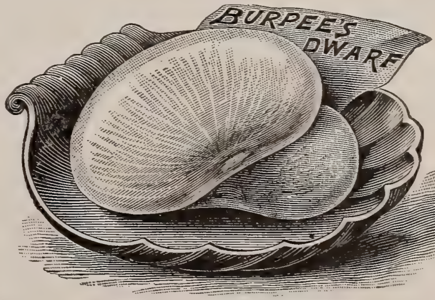
**Lima Beans will not grow until the weather and ground are warm; if planted earlier, the seeds are apt to rot in the ground.**

**Seibert's Early Lima** In earliness, ease of shelling and quality of the green beans, this variety is far in advance of all other early Limas for either the garden or market. The vine is very productive; although the pods rarely contain more than four beans, the total yield is enormous. The green shelled beans are of immense size, tender, and of finest quality. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.65; bu., $6.25.

**King of the Garden Lima** Vines vigorous and productive, producing a continuous bloom and fruitage to the end of the season. **The pods are of enormous size,** many specimens measuring from 5 to 8 inches, and some containing seven beans to the pod, all perfectly formed and of superior quality. Pkt., 5c; pt., 20c; qt., 30c; pk., $1.60; bu., $6.00.

## DWARF LIMA BEANS

Bush Limas should be planted three feet apart, dropping two or three beans fifteen inches apart in the row. Cover about an inch deep. Dwarf Limas require no support.



**BURPEE'S DWARF LIMA.** Plants make perfect bushes from eighteen inches to two feet high. They are **sure croppers** and **immense yielders.** Pods as large as those of the Pole Lima, and contain three to five beans of the best quality. Pkt., 10c; pt., 20c; qt., 30c; pk., $1.75; bu., $6.50.

**DREER'S DWARF LIMA.** Thick pods and large thick beans, three or four in a pod. Ripens fully ten days earlier than the Pole Lima of same name. Pkt., 10c; pt., 20c; qt., 30c; pk., $1.75; bu., $6.50.

**HENDERSON'S BUSH LIMA.** Valuable on account of extreme earliness. Extremely productive, tender, and delicious. The dry beans are small and white. Pkt., 10c; pt., 20c; qt., 30c; pk., $1.75; bu., $6.50.

**Gardening for Pleasure** **By Peter Henderson.** A guide to the amateur in the fruit, vegetable, and flower garden. It meets the wants of all classes in the country, city, and village, who keep a garden for their own enjoyment rather than for the sale of the products. Finely illustrated. 404 pages. 5 x 7 inches. Cloth, $1.50, postpaid.

RUNKELRUEBEN, Ger.

# BEETS

BETTERAVE, Fr.

Sow as early in the spring as ground can be worked, and for succession, every two weeks after up to the first of July, in drills twelve to fourteen inches apart, and when well up thin to from four to six inches. The young plants removed in thinning are excellent cooked in the same manner as Spinach. Take up the roots in October and store in cellar like potatoes. Covered with sand they will keep in nice, tender condition for winter use.

**One ounce will sow 50 feet of drill; 5 to 6 pounds are required for an acre.**

**Crosby's Egyptian** Much in demand by market gardeners for forcing and early out-of-door sowing. This beet is perfect in shape, and deepest red, almost black, in color. Equally good for early bunching as well as the fall market. Its fine color and superior quality make this one of the best beets. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.50; 5 lbs., $7.00.

**Barnard's Selected Edmands Beet**

Good for bunching, and is a standard winter beet. Its uniformity, handsome appearance, small top, and single tap root commend it most strongly to the market gardener, and **for table use scarcely any other variety can equal it in fine quality.** The skin is deep blood-red in color, flesh dark red, sweet and tender. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.50; 5 lbs., $7.00.

**Crimson Globe** Handsome in shape, a little deeper than round, with a smooth surface and small tap root. Flesh deep crimson, ringed and zoned. Not only desirable for bunching for early use, but it is good for main crop, as it keeps well until spring. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.35.

**DEWING'S BLOOD TURNIP.** Suitable for market men. Medium size; smooth skin; flesh red with white bands. Good main crop variety. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.35.

**IMPROVED EARLY BLOOD TURNIP.** This beet does not mature so early as those named above. It is an excellent one **for the home garden** and summer use. An old-time standby, and low priced. Oz., 10c; ¼lb., 30c; lb., $1.00.

**DIRIGO.** An extra early turnip beet of handsome shape and attractive color. It is one of the best for either summer or winter use. **Beautiful dark-red color;** fine grain and flavor. Tops and tap roots quite small. A most desirable variety for market gardeners, by whom it is used largely for bunching. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.35.

**ECLIPSE.** This is not only an extra early beet, but if sown late, it is valuable for winter use. Its rapid growth, extreme earliness, neat globe shape with small top and bright crimson color, make this a most popular sort with market gardeners. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.35.

**HALF-LONG BLOOD.** One of the best beets for winter and spring use. The roots are pear-shaped, smooth, and handsome; flesh a rich dark red, crisp, tender, sweet, and retaining its excellent quality longer than any other sorts. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**IMPROVED LONG DARK BLOOD.** Tops large, necks small, leaf stems and vines red, leaf green, roots large, tapering, growing even with the surface. Flesh dark red, zoned with lighter shade, tender and sweet and remaining so when kept till spring. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

**DETROIT DARK RED.** A medium early globe-shaped beet of excellent quality. It is especially esteemed on account of its dark-red color which extends entirely through the beet, and without the light-colored rings seen in some varieties. The beets are smooth and handsome. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.50; 5 lbs., $7.00.

## SWISS CHARD, or Sea Kale Beet

It is superior to the common beet for greens; if sown at the same time, it will be fit for use before it. Later, the plants form broad, wax-like stems to the leaves, which are very delicious cooked or pickled. They have a flavor similar to spinach. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

## MANGEL-WURZEL AND SUGAR BEETS

**One ounce for 50 feet of drill; 5 lbs. for an acre.**

**MAMMOTH LONG RED.** On good soil sometimes grows eighteen inches long. Dark leaves; skin bright dark red; flesh white with veined rings of rose-pink. An excellent keeper; nutritious and milk-producing. Oz., 5c; ¼lb., 15c; lb., 50c; 5 lbs., $2.00

**GOLDEN TANKARD.** A yellow-fleshed variety highly prized by dairymen for milk-producing qualities. All stock thrive on it. Oz., 5c; ¼lb., 15c; lb., 50c; 5 lbs., $2.00

**CHAMPION GLOBE.** The best **round** Mangel. It is valuable for shallow soils, a better keeper than Long Red. Oz., 5c; ¼lb., 15c; lb., 50c; 5 lbs., $2.00.

### THE BEST SUGAR BEETS

**KLEIN WANZLEBEN.** White flesh. Contains large amount of sugar. Oz., 5c; ¼lb., 15c; lb., 50c; 5 lbs., $2.00.

**LANE'S IMPERIAL SUGAR BEET.** Forms a large root, long and tapering. Snow-white flesh. Oz., 5c; ¼lb., 15c; lb., 50c; 5 lbs., $2.00.

## BORECOLE, or Kale

**DWARF GERMAN, or GERMAN GREENS.** A dwarf variety, rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; the leaves are very beautifully curled, and of a bright green. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.25.

**GREEN CURLED SCOTCH.** About two feet high. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

## BROCCOLI

SPARGELKOHL, Ger. BROCCOLI, Fr.

Taller and more hardy than Cauliflower, but otherwise very similar to that delicious vegetable. Culture and use are identical with that of Cauliflower.

**One ounce of seed for 2,000 plants.**

**EARLY PURPLE CAPE.** Pkt., 5c; oz., 30c; ¼lb., $1.00.

**WHITE CAPE.** Pkt., 5c; oz., 30c; ¼lb., $1.00.

## BRUSSELS SPROUTS

These are miniature cabbages produced from the side of the stalk. They are regarded as a great delicacy boiled and served in the same manner as Cauliflower. Sow in seed-bed in May, transplant and cultivate like cabbage. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.50.

KOPFKOHL, Ger.

# CABBAGE

CHOU POMME, Fr.

OUR CABBAGE SEED is grown under the care of practical, painstaking and reliable men; in localities where experience and thorough tests have proved the climate and soil to be the best adapted to their production in highest perfection; from fully developed, perfect heads, carefully cured and stored until time of planting; thoroughly tested as to vitality, our seeds can but give satisfaction, and we unhesitatingly recommend it for the use of either market or private gardener.

All that Cabbage requires is the soil to be rich, deep, well-drained, and abundantly manured. For the early kinds, plant 30 inches between the rows and 16 inches between the plants. For the late kinds, three feet between the rows and two feet between the plants. For very early use, sow in January or February, in hotbeds. Set out when the plants are strong enough into other hotbeds, or set in cold-frames in March. Transplant when danger from frost is past to the open ground. For a succession, sow in the open ground last of March or early in April. The late or winter crop seed can be sown in May and the plants set out in July. **An ounce of seed produces 1,500 plants; one=half pound to transplant for an acre.**

**HOW TO DESTROY CABBAGE WORMS.** SLUG SHOT can be used lightly or heavily and the cabbage suffers no harm. The cabbage forms its head by the interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply Slug Shot with a duster, sieving it over the plants or full-grown cabbages. The powder is very fine and goes a long way in field or garden. **Not prepaid. 5 lb. pkg., 30c; 10 lbs., 50c; Tin Duster each 35c.**

EARLY JERSEY WAKEFIELD

## Earliest Pointed-Headed Sorts

**Early Jersey Wakefield** Long recognized as the best, earliest **marketable** cabbage. In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Our strain of seed is of superior quality. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., $2.25.

**LARGE WAKEFIELD, or CHARLESTON.** The heads are similar in form, although generally not so pointed, but of equal solidity as the original **Jersey Wakefield,** while they grow half again as large, reaching full size about ten days later. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., $2.25.

**Winningstadt** An old and famous type of second early cabbage. It makes a large, conical head, about ten days later than Wakefield. Color, a bright, glossy green. Valuable not only for early use, but as a winter cabbage. A vigorous grower, it thrives even under unfavorable conditions. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

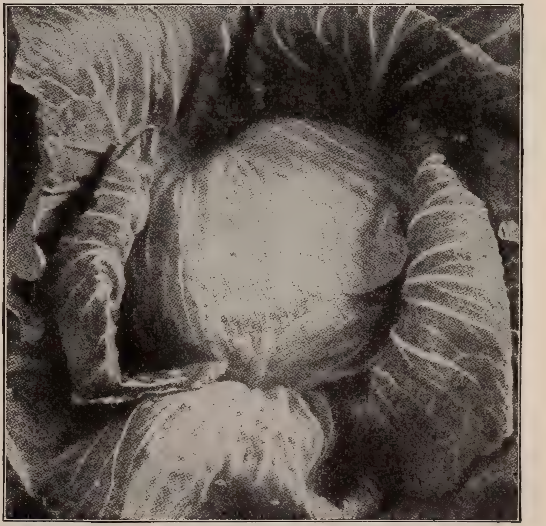
## Early Flat-Headed Sorts

**Eureka** In comparison with Wakefield, **Eureka** is heavier, hardier, earlier, and in addition, is flat. Three heads, with part of their leaves removed, cover a sugar barrel. It grows very compactly, thus yielding a much larger crop than other early varieties; a splendid keeper for an early variety on account of its solidness. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., $2.50.

### ALLHEAD EARLY

**The most profitable Early Cabbage for market gardeners.**
**The best all=the=year=round Cabbage for the home garden.**

Heads flat, deep, and solid; firm and tender; valuable also for late. Seeds sown in July and set out in August will make fine heads. Largely planted by market gardeners. Nearly 10,000 can be grown on an acre, and almost every one will head. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.25.



CABBAGE—"EARLY SPRING"

**EARLY SPRING.** The **first early round=head** Cabbage, maturing about the same time as Jersey Wakefield. One of its chief claims to superiority is the remarkable uniformity of the heads. They are also very solid even when young, and with very small outside leaves. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., $2.50.

**EARLY SUMMER.** Matures about ten days later than Early Jersey Wakefield. Heads are large, nearly round, somewhat flattened, and quite solid. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.25.

# CABBAGE, continued

## Second Early, or Main Crop

### ALL ROUND FLAT HEADS

**ALL SEASONS.** A splendid main crop sort, much grown by market gardeners; is also an excellent variety for home use. Remarkable for its ability to stand hot sun and dry weather. Makes solid, hard heads, of large size. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.25.

**OTTLER'S IMPROVED BRUNSWICK.** We have a superior strain of this seed, which brings large, flat, solid heads of excellent quality. Stem very short. A sure header. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.75.

## Chicago Market Cabbage

This valuable Cabbage continues to give the utmost satisfaction, not only to Chicago gardeners, but in every locality in which it has been introduced. **We have yet to find a variety more thoroughly adapted to general culture and which combines so many good qualities as our "Chicago Market" Cabbage. It will surely please you.** Planted early, it develops fine, large, solid heads one week later than the Wakefield, while if set out later it makes excellent heads for winter use. It stands the hot sun well, is almost certain to head, and does not crack; is an excellent keeper. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

## AUTUMN AND WINTER SORTS

**Surehead** A compact-growing, general crop Cabbage that is well named, as it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping, and is a favorite sort with market gardeners and also for home use. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

## Danish Ballhead Cabbage

### The Best Cabbage for Spring Sales

For several years our strain of this Cabbage has been known to be unexcelled. **Danish Ballhead** commands a higher price in the market than any other variety. It is remarkable for the **solidity of its heads and long-keeping qualities.** The heads are of medium size, with a few outer leaves, admitting of close planting; exceedingly fine grained, hardest of all, tender, crisp, solid, with no waste heart. Pkt., 10c; oz., 25c; ¼lb., 80c; lb., $3.00.

**Copenhagen Market** Earliest large round-head Cabbage in cultivation. The heads mature all at the same time, are solid and will average about ten pounds each in weight. It is very short stemmed, the heads being produced almost on the ground. The leaves are tightly folded round each other, which permits close setting of plants. Pkt., 10c; oz., 40c; ¼lb., $1.50.

CABBAGE—CHICAGO MARKET

## LATE WINTER CABBAGE, continued

**SELECTED LATE FLAT DUTCH.** It grows very large, is remarkably hardy, a sure header, uniform in shape, size, and color. Few varieties can approach this for superior quality. Market gardeners grow this very extensively for a late crop. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.25.

**PREMIUM LARGE LATE DRUMHEAD.** Head enormous. Very hardy and desirable fall and winter variety, also a good shipper. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.25.

**LUPTON.** This fine Cabbage has now acquired a splendid reputation. It is a dark green in color, has a short stem, and is **one of the best keepers,** coming out in the spring bright and fresh; a little earlier than Flat Dutch and Drumhead. We have some very choice seed. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

**HOLLAND.** The superior merit of this variety is the hard heading and long keeping quality. Heads medium size; white. If properly stored, they will be found, when taken up in spring to be in perfect condition. Pkt., 10c; oz., 25c; ¼lb., 80c; lb., $3.00.

**Autumn King, or World Beater** Large, broad heads are uniform in shape, hard and solid as a rock, fine grained and tender—more so than any other very large cabbage. Forming so few outer leaves, it goes almost **all to head.** It is a rapid grower, and does not require special culture to bring out its excellencies. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., $2.25.

## RED CABBAGE

**MAMMOTH RED ROCK.** By far the *best,* largest, and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity, and deep red color. The heads grow to weigh 10 or 12 pounds. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., $2.25.

## SAVOY, or CURLED LEAVED

The quality and flavor of these "curled-leaved" Cabbages is very superior; grown in fall and allowed to be touched by frost, they are sweet, delicate, and most delicious.

**AMERICAN DRUMHEAD SAVOY.** The best of its class for home use and market. Heads large, **solid and compact.** Has rich, sweet flavor of the cauliflower when cooked. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

### HAMMOND'S SLUG SHOT

**Kills Insects, Saves Foliage.**

Slug Shot kills cabbage worms, also cucumber, melon, squash and potato bugs. Contains nothing in the least injurious. 5-lb. pkg. *not prepaid,* 30c; 10 lbs., 50c.

**Vegetable Plants: Cabbage, Celery, Tomato, etc., supplied in season. See page 26.**

MOEHREN, Ger.

# CARROTS

CAROTTE, Fr.

### For Market or Home Garden

This is a vegetable deserving to be more generally cultivated, both for use upon the table and for stock feeding purposes. There is no more healthful root crop.

For early, sow in spring as soon as ground can be worked, in drills fifteen inches apart, covering one-half inch. For the main crop, sow from the middle of May to the first of July. Thin out in row from 5 to 6 inches apart. Hoe often and deeply between the rows. Light, sandy loam, richly manured, is the best soil.

**One ounce will sow about 125 feet of drill.**

**HALF LONG SCARLET, Pointed.** Much used for bunching, especially when young; of fine quality, medium early. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.50.

**EARLY SCARLET SHORT HORN.** Short, nearly round, good for shallow soil. Adapted for forcing for market and culture for early home use. Deep orange in color, flavor excellent. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.50.

**Chantenay** Deep red flesh, fine grained and sugary. One of the best for home or market garden. It is early, grows about six inches long; stump rooted; always smooth. A heavy cropper. This carrot will please everybody. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.50.

### Barnard's Improved Danvers

This is a splendid strain, which produces a fine, broad-shouldered carrot, about 10 inches long, of **handsome, uniform, cylindrical shape,** being that most desirable for market. Color, orange-red; skin smooth; with few indentations. No finer strain of carrot than this. It produces enormously, is suitable for all soils, and valuable both for table use and for stock feeding. Pkt., 10c; oz., 20c; ¼lb., 60c; lb., $2.00.

**DANVERS, HALF LONG.** A smooth, well-formed carrot, which grows to medium size, tapering to a point. Valuable for a feed crop. Flesh orange color. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.50.

**HALF LONG SCARLET NANTES.** An early stump-rooted variety about six inches long, that is valuable for table use. Flesh red, little core. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.50.

**OX HEART, or Guerande.** Much esteemed either for family use or market. It is intermediate between the half long and horn varieties. Roots are about six inches long, cylindrical in shape, and rich orange color. The flesh is fine grained, a little core. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.50.

**CARROTS, MANGELS, and SUGAR BEETS.** By Gregory. It tells what kinds to raise, how to grow them, and how to feed them. 30c, postpaid.

CAULIFLOWER, BARNARD'S SNOWBALL

CARROTS, DANVERS HALF LONG

### Carrots for Stock Feeding

For feeding stock, especially horses and milch cows, carrots are unsurpassed.

**Four pounds of seed required for an acre.**

**IMPROVED LONG ORANGE.** Requires deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain full size. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.35.

**LARGE WHITE BELGIAN.** Grows one-third above ground. Root pure white, green above ground with small top; flesh rather coarse. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

# CAULIFLOWER

BLUMEN KOHL, Ger. CHOUFLEUR, Fr.

Cauliflower succeeds well in any soil where cabbages will grow. It delights in **a rich soil and plenty of water.** For early sorts, sow in a hotbed in February or March; for later crop, sow in May in a moist place. Transplanting should be done in moist weather.

**One ounce of seed for 3,000 plants.**

**Extra Early Dwarf Erfurt** Best for Forcing Good for Open Ground. Dwarf and very solid, with short outside leaves. Can be planted 20 inches apart each way and forced. Almost as early as Snowball. Our strain of seed is very choice. **Pkt., 20c; ¼oz., 75c; oz., $2.00; ¼lb., $7.50.**

### Barnard's Snowball Cauliflower

For main crop and for every purpose except for first early, or for culture under glass (for which we recommend the Extra Early Dwarf Erfurt) we emphasize **Barnard's Snowball** as a variety of the highest quality and reliable, sure cropping strain. Pkt., 20c; ¼oz., 75c; oz., $2.00; ¼lb., $7.50.

**EXTRA EARLY PARIS.** Still used by some gardeners. Pkt., 5c; ½oz., 30c; oz., 50c.

**DENMARK.** A favorite second early and main crop sort; much in demand by packers and pickle makers. It makes large and firm heads. Pkt., 10c; ¼oz., 50c; oz., $1.50.

**AUTUMN GIANT.** Late; a vigorous grower. Pkt., 5c; ½oz., 30c; oz., 50c.

# CELERY

Sellerie, Ger. Celeri, Fr.

Celery can be successfully grown with but little labor in the home garden, in any good garden soil, by following the very detailed instructions contained in the little book "CELERY CULTURE," which we mail, postpaid, for 50 cents. Celery delights in low, moist, rich bottom land, or well-drained muck-soil. It is usually grown as a second crop. The self-blanching Celeries are recommended for autumn and early winter use, as they do not keep so well as others.

Celery is sometimes grown by what is termed the new process, which consists in making a spot as rich as possible and there setting the plants six to eight inches apart each way. If the soil is very rich and there is an abundance of water, the plants will blanch each other and the product will be very white and handsome.

**One ounce of seed will produce 3,000 plants or more.**

CELERY—GOLDEN SELF-BLANCHING

## Golden Self-Blanching

THE best celery in cultivation and the most profitable for market and family use. The handsome appearance and straight, strong stalks of this celery are well brought out in the illustration. The heart is large, solid, golden yellow in color, and of delicious flavor. It will turn at maturity to a yellowish white without banking, but like all other celeries is improved by having some dirt brought up to the stalks. Pkt., 10c; oz., 80c; ¼lb., $3.00.

**WHITE PLUME.** The peculiarity of this leading variety is that the inner leaves and heart are **naturally** white, so that by closing the stalks, either by tying or by drawing the soil close about the plant and pressing it together with the hands, the blanching is completed. It is the *earliest* Celery in cultivation, but will not keep longer than the holiday season. Pkt., 5c; oz., 20c; ¼lb., 60c.

**Giant Pascal** This is a green-leaved variety developed from the Golden Yellow Self-Blanching. It produces broad, thick, solid, cream-colored stalks of handsome appearance which are entirely stringless, crisp and tender, and of a delicious nutty flavor, and is absolutely free from any bitter taste. It requires but little earthing up, bleaches rapidly. For January and February use is undoubtedly unexcelled. It is a good shipping variety, free from rust or rot. Pkt., 10c; oz., 20c; ¼lb., 50c.

**PERFECTION HEARTWELL.** One of the best of the white varieties. The stalks are of good size, vigorous growth, very sound and never hollow; crisp, tender, and of exceedingly fine nutty flavor. Pkt., 5c; oz., 20c; ¼lb., 50c.

**EVANS' TRIUMPH. The best late Celery.** Not only a splendid keeper, but the very large solid stalks are of the finest texture and quality, crisp, brittle, tender, and really nut-like flavor, and has a stronger celery taste than any other variety. Per pkt., 5c; oz., 20c; ¼lb., 50c.

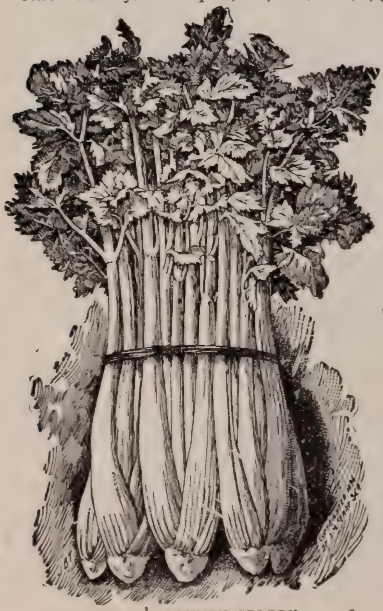
**GIANT WHITE SOLID.** Fine for market as well as family garden. Pkt., 5c; oz., 15c; ¼lb., 40c.

**NEW ROSE.** We offer this as the choicest of the red varieties. Pkt., 5c; oz., 20c; ¼lb., 60c.

**GIANT GOLDEN HEART.** Large size, beautiful color, crisp and deliciously flavored. One of the best celeries for market, and for home use. Pkt., 5c; oz., 20c; ¼lb., 50c.

**DWARF GOLDEN HEART.** A distinct, rare and decidedly ornamental type; when blanched, being an exquisite golden yellow. Pkt., 5c; oz., 15c; ¼lb., 40c.

**WINTER QUEEN.** Makes broad and solid white stalks. Close, compact grower. Pkt., 5c; oz., 20c; ¼lb., 60c.



EVANS' TRIUMPH CELERY

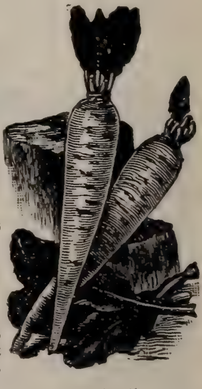
## CELERIAC, or TURNIP-ROOTED CELERY

Produces large turnip-like roots which keep well for winter use; it is highly esteemed either cooked for flavoring soup or sliced and used with vinegar, making an excellent salad. It is cultivated like celery, little or no earthing being required. Ready for use in October.

**One ounce for 50 feet of row.**

**BARNARD'S GIANT.** Very large roots. Flesh white, with a stronger and sweeter flavor than other varieties. Pkt., 10c; oz., 20c; ¼lb., 75c; lb., $2.50.

**LARGE SMOOTH PRAGUE.** One of the best. Roots smooth, and almost round. An excellent keeper. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.



CHICORY

## CHICORY

Chicoric, Ger. Chicoree, Fr.

**LARGE-ROOTED, or COFFEE.** The roots, when dried, roasted, and ground, are largely used as an adulterant for substitute for coffee. The young leaves are excellent when used as a salad. Cultivate same as carrots. Pkt., 5c; oz., 10c.

## CHIVES

Their green tops which appear in early spring are used wherever the flavor of onions is desired. They are entirely hardy. One or two clumps are sufficient for a family garden. Clumps, 20c each, prepaid. Not prepaid: each, 10c; doz., $1.00.

## CELERY CULTURE

**By W. R. Beattie**

The work is complete in every detail, from sowing a few seeds in a window box in the house for early plants, to the handling and marketing of celery in carload lots. Fully illustrated. 150 pages. 5 x 7 inches. **Cloth, 50c postpaid.**

WELSCHKORN, Ger. **CORN** MAIS, Fr.

# Sweet or Sugar

## 10c. CARTONS OF SWEET CORN, PEAS AND BEANS

These special packages are designed for those who find a 5c pkt. too small and a pint more than sufficient. The carton is between the two sizes and contains a desirable quantity for the family garden. Postage paid.

Copyright 1901 by H.L.HOLMES

EXTRA EARLY SWEET CORN, PREMO

The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or **until the ground has become warm.** For a succession, continue planting every two weeks until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. The extra early varieties can be planted 18 inches in the row and 2½ feet between the rows.

**One quart of seed corn plants 200 to 300 hills; one peck will sow an acre in hills.**

## FOUR BEST VARIETIES FOR FAMILY USE

PEEP O' DAY, EARLY CHAMPION, COUNTRY GENTLEMAN, STOWELL'S EVERGREEN

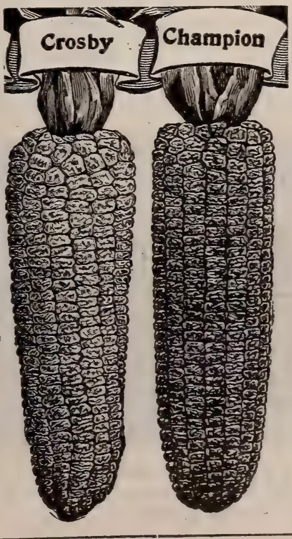
Writing from our own experience, we can with positive assurance state that the following four varieties, planted in the order named and in succession, will provide a supply of delicious sweet corn throughout the entire season.

**Peep o' Day** **Ten days to two weeks earlier than any other sort,** and one of the sweetest of all extra early sweet corns. These are the claims made by the originators, and they have been fully upheld in numerous trials. In habit of growth, **Peep o' Day** is distinct. The stalks grow from 3 to 4 feet in height, and carry 3 to 5 ears on each. The ears average about 6 inches in length. Cob white; kernels pearly white; far ahead of any for sweetness. Exceptionally good for early market as well as for home consumption. Pkt., 5c; pt., 10c; qt., 25c; pk., $1.25; bu., $4.50.

**Early Champion** This variety is, without question, the earliest **large** Sweet Corn yet introduced, and the best of the **second early.** Ears 12-rowed; pure white kernels, with medium-sized white cob; very sweet, tender, and full of milk, yielding from two to three ears to the stalk. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**Country Gentleman** The great merit of this fine **main crop** Sweet Corn is its **delicious quality,** being the sweetest and most tender of all. The ears are medium, cob small, kernels deep; pearly white in color. It is very productive, bearing from two to four ears on the stalk. Ripens about same time as Stowell's Evergreen. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

**CROSBY'S EARLY SUGAR.** This is extensively grown for canning. Ears short, twelve or more rowed, grain thick and sweet. Comes in three or four days later than Early Minnesota. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.



**Stowell's Evergreen** The most popular **late Sweet Corn** and the best all-around table variety. More extensively planted than any other sort, being the general favorite with market gardeners and canners for late use. If planted at the same time with earlier kinds, *it will keep the table supplied until October.* Ears are of good size, grain deep, tender and sugary, remaining a long time in condition for cooking. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

**Premo** One of the best for quality, and very profitable to raise for market. Premo matures in 56 to 60 days. The ears are from 5 to 7 inches long, usually two to each stalk, and each ear is well filled out with pure-white kernels. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**PERRY'S HYBRID.** Nearly as early as Minnesota; larger ears, twelve to fourteen rowed. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.00.

**SHAKER'S EARLY.** A favorite market sort. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

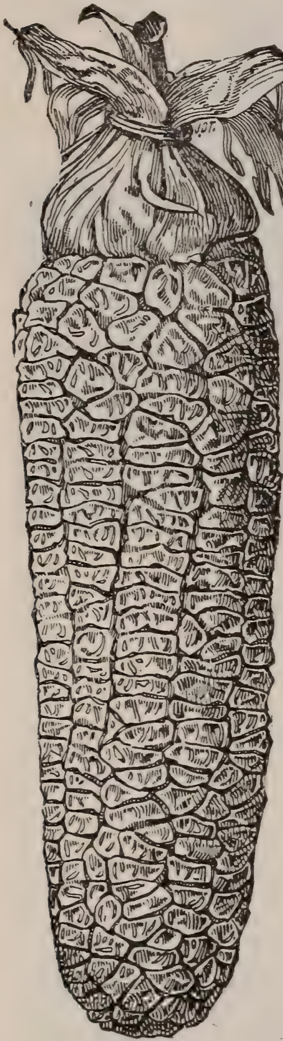
**If to be mailed, add 5c to pint, 10c to quart to cover postage.**

## SWEET CORN, Mammoth White Cory

The ears are twelve rowed, fully twice the size of the old Cory, **white cobbed**, and covered with very large white grains of good quality. No other sweet corn will find ready sale in market which is supplied with Mammoth White Cory. All gardeners who cater for best trade should plant this variety. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

## SWEET CORN, Golden Bantam

There are several varieties of yellow-grained Sweet Corn. None of them appear to combine so many points of excellence as Golden Bantam. The kernels are **sweet and delicious.** It is **early and suitable for planting in northern states.** Pkt., 5c; pt., 25c; qt., 40c; pk., $1.25.



MAMMOTH WHITE CORY

**Early Cory** A favorite early Sweet Corn with market gardeners. It is dwarf in habit, and the ears, which are of fair size, are set low. **Cob red.** Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**KENDEL'S EARLY GIANT.** Comes in soon after Cory. Ears 8 to 10 inches long, 12 to 18 rowed, filled well to the tip with broad, white, sweet kernels of excellent flavor. Stalks short, bearing one or two ears. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**MOORE'S CONCORD.** Medium early; 12 to 16 rowed. Ears large and well filled. Good to follow Crosby. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**CHICAGO MARKET.** It has many good points to recommend it, chief among which are **large size, fine appearance** (being well formed), **great productiveness** (two or three ears on a stalk), and **superior table quality.** It is 12 rowed, cob white. Ripens in midseason. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**EARLY EVERGREEN.** A fine second early variety. Matures in about 80 days. **Ears large size,** 14 to 18 rowed. Ripens ten days to two weeks ahead of Stowell's Evergreen. Good to follow Champion. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**EARLY MINNESOTA.** An old and popular dwarf variety. One of the best for market and private gardens. Ears of fair size and uniformity; eight rowed, kernels tender and sweet; color white. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**BLACK MEXICAN.** Although the ripe grain is black or blue-black in color, the corn when in condition for table, cooks **almost white.** It is very **sweet and tender.** Once tried in the family garden, it is sure to be continued. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

**OLD COLONY.** Ripens a little ahead of Stowell's Evergreen. Stalks grow tall and carry usually two large ears, 16 rowed. The grain is deep, rich, and sweet; cob white. **One of the best for canners.** Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**MAMMOTH SUGAR.** Ripens a little later than Evergreen. Large ears. Kernels flat. Largely used by canners and gardeners. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $4.00.

**ZIGZAG EVERGREEN.** It is the best large-eared late Sweet Corn produced up to the present time. Desirable for canning factories. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.50; bu., $4.50.

**EXTRA EARLY ADAMS.** Not "Sugar" Corn. Small and for early use only. Pkt., 5c; pt., 15c; qt., 25c; pk., 85c; bu., $3.00.

**POSTAGE EXTRA: Add 5c to pint, 10c to quart.**

GOLDEN BANTAM

ZIG ZAG
EVERGREEN

## POP CORN

**A Profitable Crop.** Boys and girls can easily grow an acre or so and dispose of the product to the groceryman. We have choice seed. It pops large and white. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00. If to be mailed, add 5c to pint, 10c to quart to cover postage.

**CHARD** or **Spinach Beet.** Few people realize the great merits of this vegetable; while it is classed among the beets, it makes no root whatever, the top only being used. It is cooked and served like spinach, which it resembles in taste. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

**CHERVIL** Used for flavoring or garnishing, and is more beautiful than Parsley. Sow in early spring in rich soil, and when plants are large enough, transplant to a foot apart. Pkt., 5c; oz., 10c.

## CORN SALAD, or Fetticus

Sow in spring, in drills one foot apart. It will mature in six weeks. For early spring use, sow in September and winter over like spinach.

**One ounce will sow about 18 square feet.**

**BROAD-LEAVED** (Large-seeded). A delicious salad, used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. Pkt., 5c; oz., 10c; ¼lb., 20c.

**COLLARDS** A form of cabbage very extensively used in some of the Southern States, where it furnishes an abundance of food for man and beast. Freezing improves the quality.

**One ounce for 150 feet of row.**

**GEORGIA.** A mass of leaves on a tall stem. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

## CRESS, or Peppergrass

Sow early in the spring, rather thickly, in shallow drills, one foot apart, in the open ground; for a succession, sow at short intervals throughout the season.

**DOUBLE CURLED.** For salads and garnishing. Leaves are pungent. Pkt., 5c; oz., 10c; ¼lb., 20c.

**WATER CRESS.** Scatter the seed on a muddy bank of an ever-running stream. Pkt., 10c; oz., 30c.

**UPLAND CRESS.** Perennial. It is ready to use very early in spring. Has the flavor of Water Cress. Pkt., 10c; oz., 25c.

# GURKE, Ger. CUCUMBER CONCOMBRE, Fr.

Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared, by mixing thoroughly with the soil in each a shovelful of well-rotted manure. Sprinkle the vines liberally with **Slug Shot** to protect from bugs, and when all danger from insects is past, thin out the plants, leaving three to four of the strongest to each hill.

**One ounce of seed will plant about 50 hills; two pounds will plant an acre.**

**Early Cluster** Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

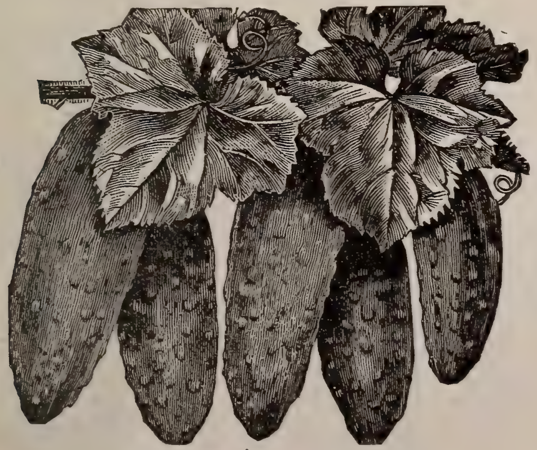
**EARLY RUSSIAN.** For small pickles this is a good sort to cultivate. Grows about 4 inches long, and is very hardy. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

**EARLY FRAME, or SHORT GREEN.** A desirable variety either for pickling or table use. Fruit bright green, straight, round at each end. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

**EXTRA EARLY GREEN PROLIFIC.** Ten days earlier than the ordinary kind. Small, good for pickles. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

**BOSTON PICKLING.** Short and thick, a little more so than Chicago Pickle. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**JERSEY PICKLING.** Intermediate between Long and Short Green. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.



WESTERFIELD'S CHICAGO PICKLE

**Chicago Pickle.** This is one of the best varieties and largely used by pickle factories. The fruit is of medium length, pointed at both ends, with large and prominent spines; color, deep green. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**Evergreen White Spine** Good for culture under glass. Fruit long, cylindrical, dark green, remaining so at all periods of growth. Good shipper. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**Hill's Forcing.** An extra early improved White Spine. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

DAVIS' PERFECT CUCUMBER

**Davis Perfect** Equally good for greenhouse or outdoor culture. It is ideal in shape, rich, dark green color, uniform and regular in size. It is exceedingly tender, and as a slicing Cucumber for the table is unsurpassed. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**Cumberland** A distinct variety of the White Spine type. The fruits are rich, dark green, large, **straight and symmetrical.** Cumberland is as choice a slicing variety as it is for pickles. The flesh is solid, crisp, tender and of excellent quality at all stages of growth. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**NICHOLS' MEDIUM GREEN.** Good for early forcing, and for slicing and pickles. Color dark green, flesh crisp and tender. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

**LONG GREEN.** Fruit from 10 to 12 inches long, dark green, firm, and crisp. It is used for slicing, also for sweet pickles. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**West India Gherkin,** or **Burr.** Small; prickly fruits; for small pickles. Pkt., 5c; oz., 10c; ¼lb., 50c.

## FOREIGN CUCUMBERS

**TELEGRAPH.** For frames and forcing. Smooth, green fruits, which grow from 14 to 16 inches in length. Pkt., 20c.

**JAPANESE CLIMBING.** Can be trained upon fences, trellises, etc. Fruit green, large and straight. Good for slicing; also makes good pickles. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.25.

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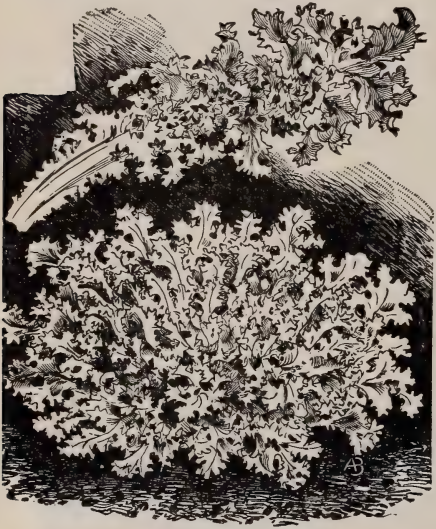
**Add 10c to pound prices if we are to mail. Smaller quantities are postpaid.**

# DANDELION

Cultivated for spring greens and for salad, and is fast becoming a favorite in the market. Sow early in the spring, in very warm, rich soil, in drills 18 inches apart; thin the young plants to five inches in the row and cultivate well.

**One ounce will sow 200 feet of drill.**

**French Thick=Leaf.** Far superior to the common Dandelion. Pkt., 5c; oz., 20c.



GREEN CURLED ENDIVE.

# EGG PLANT

EIERPFLANZE, Ger. AUBERGINE, Fr.

Sow in hotbed early in spring; transplant two and one-half feet apart each way after weather becomes settled and warm. If no hotbed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants. Paris Green, also Slug Shot, applied same as to potatoes will keep them in check.

**1 oz. for 1,000 plants. For prices on plants, see page 31.**

**NEW YORK IMPROVED PURPLE.** This variety is a general favorite both for market and private use. Plants, large, spreading; foliage light green; fruit very large, oval; color a splendid dark purple. Plants usually ripen four to eight large fruits. Pkt., 5c; oz., 35c; ¼lb., $1.00.

# ENDIVE

ENDIVEN, Ger. CHICOREE, Fr.

For the first crop, sow in May, and for succession, in June and July. When the plants are two or three inches high, transplant them into light soil, one foot apart. When the leaves are eight to ten inches long, tie the tops together to blanch the heart and remove the bitter taste. Lift late in fall with a ball of earth attached and place close together in a frame or cellar. **It makes a delicious salad for winter use. One ounce will sow 150 feet of drill.**

**GREEN MOSS CURLED.** A unique variety, somewhat resembling a tuft of moss. Very crisp, tender, and of good flavor. Being less hardy than other sorts, it requires protection from cold. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.00.

**BROAD=LEAVED BATAVIAN.** Has slightly wrinkled thick leaves. It is usually grown for use in soups and stews. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.00.

**GARLIC** Used by some for seasoning soups, stews, etc. Plant the sets in spring and cultivate like onion sets. ¼lb., 15c; lb., 40c, postpaid.

**HORSE=RADISH.** This is grown from pieces of roots. Plant in spring, small end down. Sets by mail, postpaid, dozen, 25c; 100, 70c. In larger quantities, write for prices.

# HERBS, Sweet, Medicinal and Pot

The cultivation of herbs is very simple, and but little care is needed beyond keeping down the weeds. Sow in April or May, in drills 12 to 15 inches apart, and thin out the young plants where they stand too thick. Gather when just coming into bloom, tie in small bunches and dry in the shade.

| *Varieties marked with an * are perennials.* | Pkt. | Oz. |
|---|---|---|
| **Anise.** Used for seasoning and garnishing | 5 | 10 |
| ***Balm.** Leaves used medicinally | 5 | 20 |
| **Basil, Sweet** | 5 | 20 |
| **Borage.** Leaves are used as a salad | 5 | 15 |
| **Catnip.** Good for bee pasture | 5 | 25 |
| ***Caraway.** Seeds used medicinally and in bread | 5 | 10 |
| **Coriander.** Seeds used for flavoring | 5 | 10 |
| **Dill.** Leaves used with pickles, seeds for flavoring soups and vinegar. Lb., 50c. | 5 | 10 |
| **Hop** | 15 | |
| **Fennel.** Seeds for flavoring; leaves for garnishing | 5 | 10 |
| ***Wormwood.** Beneficial for poultry | 5 | 20 |

| | Pkt. | Oz. |
|---|---|---|
| ***Horehound.** Has medicinal qualities | 5 | 20 |
| **Hyssop.** Used in medicine | 5 | 15 |
| ***Lavender.** Its flowers are used in the manufacture of oil and distilled water | 5 | 15 |
| **Marjoram, Sweet.** Used for seasoning. Lb., $1.25 | 5 | 15 |
| **Rosemary.** Leaves used for seasoning | 5 | 25 |
| **Rue.** Cures Roup in poultry | 5 | 15 |
| **Saffron.** Used for coloring | 5 | 15 |
| **Sage.** Leaves are used in stuffing and sauces | 5 | 15 |
| **Savory, Summer.** Used for seasoning | 5 | 10 |
| ***Thyme.** For seasoning | 5 | 25 |

# KOHLRABI Turnip-Rooted Cabbage

KOHLRABI, Ger. CHOU-RAVE, Fr.

For early use, sow in hotbed, afterwards setting plants 8 inches apart in rows. For later use, sow seed in drills and thin out.

**One ounce of seed will sow a drill of about 200 feet.**

**WHITE SHORT LEAVED.** Much superior to Vienna. It is very early and **the best for forcing** as well as for outdoor culture. Bulb is greenish-white, smooth, of finest texture and quality. Pkt., 10c; oz., 25c; ¼lb., 75c; lb., $2.60.

**EARLY WHITE VIENNA.** Early, small, white bulb. Best for table use. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

**EARLY PURPLE VIENNA.** A little later than the white; color purple. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

# LEEK

LAUCH, Ger. POIREAU, Fr.

**One ounce of seed to 150 feet of drill.**

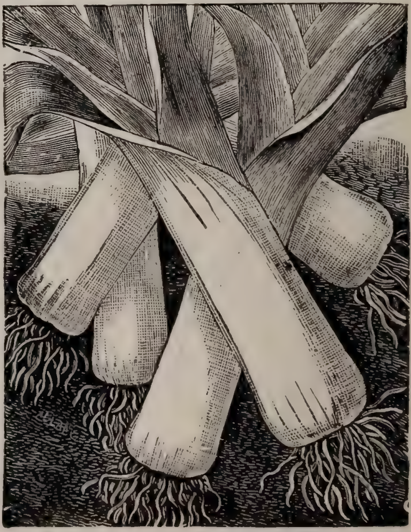
Sow seed out-of-doors in June and thin out to 4 inches apart.

**LONDON FLAG.** This is the sort chiefly grown by market gardeners. It is of excellent quality, mild flavor and uniform. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.25.

**MUSSELBURG.** Large and broad leaves. Flavor mild and pleasant. A good Leek. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

**MONSTROUS CARENTAN.** The largest variety, often three inches in diameter, and becoming very white and tender. A very hardy and desirable sort, which is worthy of more extensive cultivation. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

**Add 8c to lb. price if to be mailed.**



MONSTROUS CARENTAN LEEK

LATTICH, Ger.

# LETTUCE

LAITUE, Fr.

There are two distinct classes of Lettuce—one forms heads like cabbage; the other merely produces loose leaves. The so-called "Head Lettuce" are those most generally cultivated, especially in the home garden. All of them are of good flavor, solid, crisp, and tender. **One ounce of seed will produce about 1,500 plants.**

Sow the seed in hotbeds in February or March, and transplant into a sheltering border with a southern exposure. For successive crops, sowings may be made in the open ground as early as the spring opens, and continuing until July. Always thin out well, or the plants will not be strong. When wanted as a cut salad, sow the seed thickly in rows or broadcast.

## Curled or Loose Head Varieties

This type does not form compact heads, but large masses of curly, crisp leaves which are practically everbearing; the best of this class are:

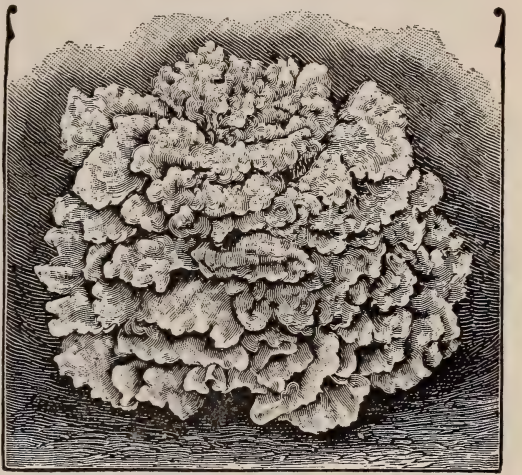
**EARLY CURLED SIMPSON.** Standard cutting or loose-head variety. Is earlier than the heading varieties. Forms a large, close, compact mass of curled leaves of yellowish-green color. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**Black-Seeded Simpson** Among the many varieties of Curled or Leaf Lettuce, there is no one better fitted for the general use of market gardeners and the private cultivator than **Black-Seeded Simpson.** It is suitable for growing under glass as well as for early outdoor planting. Forms a compact mass of thin leaves which are tender and of excellent quality. **By far the most popular Lettuce with the market gardeners of Chicago and elsewhere.** Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**Prize Head** For general use no Lettuce has ever given such universal satisfaction. It forms a large head of loose leaves, bright green in color, tinged at the edges with red; very crisp and tender, and of excellent flavor, and has the faculty of keeping its good qualities throughout the entire season. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**ICEBERG.** A curly lettuce; large, solid heads. The outer leaves are light green in color, and their habit of branching towards the center of head is a great aid to the blanching of heart. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Curled leaved varieties are recommended **for culture under glass as well as in the open air.**



GRAND RAPIDS LETTUCE

## Cabbage or Heading Varieties

### Denver Market Forcing

An early variety of Head Lettuce, either for forcing or open ground. It forms large heads, of good light green color. The leaves are beautifully marked and blistered (like the Savoy Cabbage), very crisp and tender. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

### Improved Hanson

For outdoor culture there are none more reliable than this. In rich ground, well cultivated, the heads grow to resemble small cabbages. Outer leaves green, white within, having no bitter taste. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**Grand Rapids** This is beyond question the most popular of all forcing lettuce. On account of its upright habit of growth, it can be grown much closer than the other sorts, and is less liable to rot; the leaves are light yellowish-green, excellent for shipping, and keep a long time without wilting. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**All Seasons** An extremely large, solid head Lettuce. In color, light green, without any spots. Quality excellent; tender and mild in flavor. Has large, broad leaves of much substance. Sure header, slow to run to seed. A very popular Lettuce with Chicago gardeners. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

LETTUCE, BIG BOSTON

**Big Boston** The best mid-season or summer Lettuce. A valuable sort for open ground or forcing. Makes large, buttery-yellow heads, delighting both the palate and the eye. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**CALIFORNIA CREAM BUTTER.** A summer lettuce which forms heads of good size, **round and solid.** Easy to grow. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**May King** Hardy, will stand much cold, damp weather. **Grows very rapidly.** Its fine large heads are 6 to 7 inches in diameter; the outer leaves tinged with brown, the inner a bright, clear yellow. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

### A Few More Good Ones

We can also supply seeds of the following new and standard varieties of Lettuce, all of them now so well known that extended description seems unnecessary, at the uniform price of
Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**Sensation.** Yellowish green.

**St. Louis Market.** Large heads.

**Wonderful.** Dark green heads.

**Black=Seeded Tennis Ball.**

**Early Curled Silesia.**

**Yellow Seeded Butter.**

**White Seeded Tennis Ball.**

**Cos Lettuce** **Trianon.** These Lettuce make long, narrow, upright heads; sweet and tender. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Cantaloup, Ger.

# MUSKMELON

Melon Muscade, Fr.

Prepare hills 4 to 6 feet apart in a rich, moderately dry sandy soil, thoroughly mixing therewith well-rotted manure. Early in May, or when ground has become warm, plant 10 to 12 seeds one inch deep in each hill, afterwards thinning out so that 3 or 4 plants remain. Pinch the vines when blossoming begins, to promote fruitfulness, and cultivate till the vines cover the ground. To combat insect attacks, dust with ashes, lime, or road-dust. **Use SLUG SHOT to kill them.**

**One ounce of seed for 60 hills; 2 to 3 pounds per acre in hills.**

**EXTRA EARLY HACKENSACK.** An early strain of the well-known Hackensack. A popular market melon; round ribbed and thickly netted. One of the best green-fleshed sorts. A good shipping variety. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**Rocky Ford** Nearly every leading hotel and restaurant in America uses large quantities of this famous melon which is just the right size to serve in halves. The ripe melons are beautifully netted and ribbed. Solid green flesh, sweet and melting. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

**CHICAGO MARKET.** A large melon, nearly round in form, slightly flattened at top and bottom. Skin netted, flesh green. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**LONG ISLAND BEAUTY.** The large fruits are flattened, heavily ribbed and netted. Of very handsome appearance and fine quality. Very highly recommended; ripens early and is superior in flavor; green fleshed. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.25.

**MONTREAL MARKET.** The largest of all nutmeg sorts. The fruits are round, flattened at the ends, and have very broad ribs. Flesh is green; fine quality. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.25.

**IMPROVED GREEN NUTMEG.** A large melon, nearly round, flesh greenish yellow and of delicate flavor. The seed we offer is most carefully selected and we know it will give satisfaction. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., $1.00.

ROCKY FORD MUSK MELON.

MUSKMELON, PAUL ROSE

**PAUL ROSE.** A cross of the Osage and Netted Gem; about ten days earlier than the former. Fruit oval, with very small seed cavity. Red fleshed. A good shipper, especially in baskets. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**BURRELL'S GEM.** This melon has a thin, tough rind, well arched ribs and gray netting. Meat reddish orange; thick, fine grained and spicy. Average weight of each melon about 2¼ lbs. Pkt. 5c; oz., 20c; ¼lb., 30c; lb., $1.00.

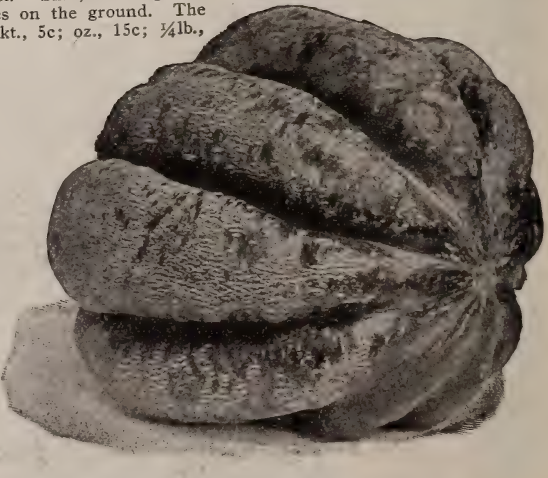
**Osage, or Miller's Cream** The fruit is medium-sized, oval, somewhat resembling a cocoanut. Skin, dark green, slightly netted and of a rich orange color where the melon lies on the ground. The flesh is thick, salmon-colored, and in quality is hard to beat. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.00.

**Lewis' Perfection** This fine new melon is quite distinct in shape; see illustration of a specimen fruit. Skin dark green. Firm, deep orange-colored flesh of delicious flavor. Very prolific; a rampant grower; average weight of fruits from 8 to 13 pounds. A few days earlier than Osage. Pkt., 5c; oz., 30c; ¼lb., 75c.

**HOODOO.** Said to be **"The best all-purpose muskmelon in the world."** An ideal table melon and unsurpassed for shipping. Melons nearly round; orange fleshed; quality of the best. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.25.

**TIPTOP.** A yellow-fleshed melon of **tiptop** quality. Every fruit produced, early or late in the season, is a good one. Sweet, juicy and eatable up to the rind. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.00.

**EMERALD GEM.** Ripens early; medium size; nearly round; flesh a delicate light-salmon color; thick, fine grained. Few melons can compare with it in superb flavor. The rind is thin, dark green, **ribbed but not netted. One of the best for home use.** Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.00.



LEWIS' PERFECTION

WASSERMELONE, Ger.

# WATER MELON

MELONE D'EAU, Fr.

The varieties of melons listed here are all first-class, some being more suitable for one purpose and some for another. Our seeds have been grown by careful specialists, and can be depended on to produce good crops under favorable weather conditions. Melon seeds, like those of Cauliflower, are among those in which *quality* should be considered first and the *price afterwards.* You can not afford to take any risk with "cheap melon seed." *Recollections of quality remain long after the price is forgotten.*

Watermelons delight in a light, sandy soil, fully exposed to the sun. Plant in hills 8 feet apart each way. Put eight or ten seeds in each hill; when danger from insects is past, thin out to three plants.

**One ounce of seed will make 20 or 30 hills; 4 pounds sufficient for an acre.**

**ALABAMA SWEET.** This melon is largely grown in the South for shipment to distant markets. The fruits are oblong in form, dark green rind, slightly striped. Sweet, red flesh. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

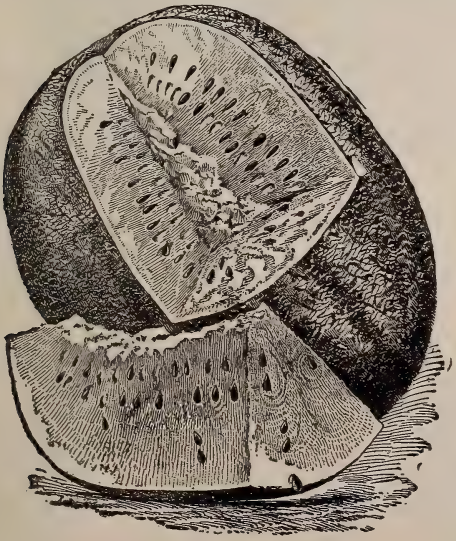
**BLACK DIAMOND.** Grows to an enormous size. The color is rich deep greenish black; rind thin but quite tough—**a good shipper;** flesh rich red, thick, firm, solid, and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

**CITRON, RED=SEEDED.** For pickles and preserves only, as it is unpalatable in the raw state. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

**CUBAN QUEEN.** Fruit is medium sized and oval in shape. The flesh is bright red, very crisp, sweet, and tender. This melon stands handling well, as the rind is quite thick and hard. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

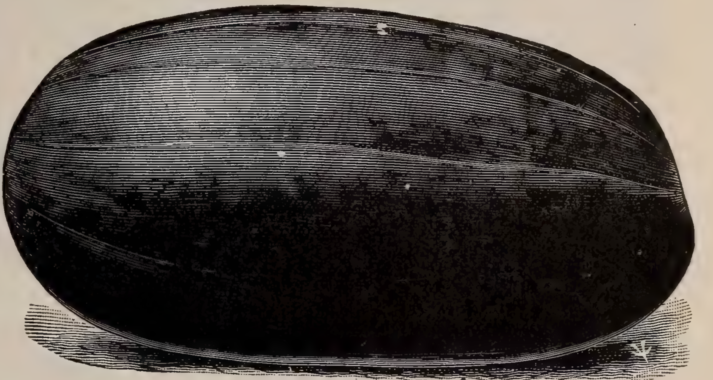
**DARK ICING.** An early melon which is valuable for home use or shipping. Fruit nearly round, dark green veined and mottled. Flesh red; fine quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

**Dixie** A popular market sort. Vine vigorous, large growing and hardy, ripening its fruit earlier than most of the large sorts; fruit medium sized to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade; rind thin but tough; flesh bright scarlet, ripens closely to the rind. This melon is very highly esteemed in the South. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.



WATERMELON, SWEET HEART

**Sweet Heart** A well-known and very popular shipping variety of the larger size, nearly globular in shape; skin a bright, beautiful mottled green; rind thin; flesh bright red, firm, and solid to the center, heavy but crisp, melting, and exceedingly sweet. **A good keeper, and improves in quality for a long time after ripening.** Vine vigorous and productive, ripening its fruit **early. Pkt.,** 5c; oz., 10c; ¼lb., 20c; lb., 65c.



WATERMELON, KLECKLEY SWEETS

**Cole's Early** is the finest watermelon **for the family garden,** especially in **our Northern States.** Fruits grow to a medium size, with a large heart and bright-red flesh of delicate texture. It has a very thin rind which makes it deficient in shipping qualities. Extreme earliness is its great merit. It will ripen in Northern States where other melons would be a failure. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

**PHINNEY'S EARLY.** A standard variety of medium size and oblong form; marbled smooth with two shades of green. It is sweet and productive; flesh is red, sweet, and luscious. Hardy and sure cropper. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

**Halbert Honey** A melon of recent introduction. The fruits are cylindrical oblong form, with smoothly rounded ends. Rich glossy green rind; flesh crimson. A splendid melon for home use on account of its sweetness. Too brittle to stand shipment. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

**HUNGARIAN HONEY.** Early and productive. The melons are perfectly round, dark green, and of medium size. Flesh bright red, solid, and sweet. Fine melon for culture in Northern States. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

**KOLB'S GEM.** Largely grown by southern shippers. The rind, though quite thin, is tough, standing handling and shipment long distances without breakage. The flesh is of bright red and of fair quality. Ripens in midseason. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

**Kleckley Sweets** A large, oblong melon, in form like Alabama Sweet, illustrated above. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. The flesh is sweet and sugary. The melon is better for home use than for shipping. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

**PEERLESS, or Ice=Cream.** An excellent home garden melon, and one of the best for market gardeners who sell direct to consumers. Productive, medium size, sweet and delicious. Oval shaped, thin rind, bright green, finely veined or mottled. Flesh bright scarlet, solid to the center. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

**TOM WATSON.** A comparatively new variety fast becoming very popular. Large; oblong; flesh scarlet, attractive, firm and sweet. Has thin but tough rind, making it valuable for shipping and desirable for the trucker and private gardener. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

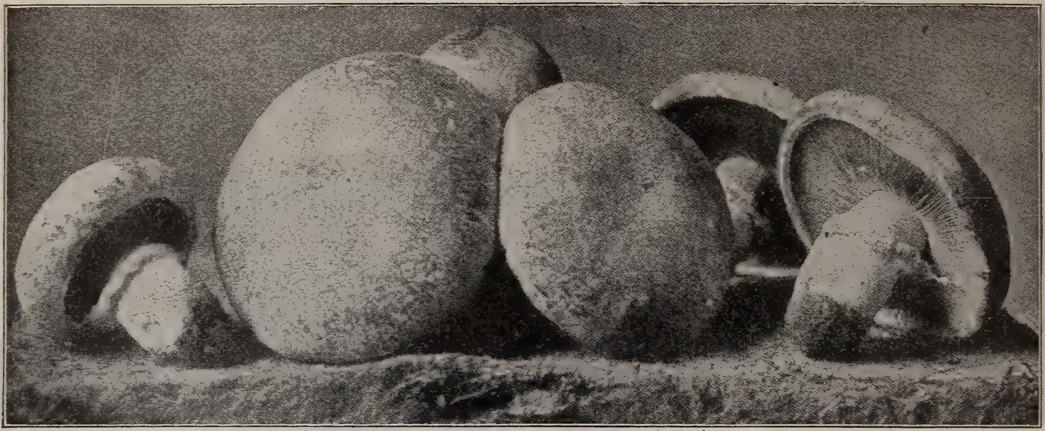
Champignon Brut, Ger.

# MUSHROOM SPAWN

Blanc de Champignon, Fr

This most delicious esculent, considered by most people a luxury, is more easily cultivated than imagined. Mushrooms may be grown in a great variety of situations—**a dark room, cellar, stable, in sheds, under greenhouse benches,**—where the temperature can be maintained at fifty to sixty-five degrees.

**One pound of English Mushroom Spawn is sufficient for six square feet of bed.**



MUSHROOMS GROWN FROM ENGLISH MILL TRACK SPAWN

## ENGLISH MUSHROOM SPAWN

We make quite a specialty of this article, supplying the largest growers of mushrooms. It may always be depended upon as fresh, because we import the stock several times during each year. It comes in bricks weighing about twenty ounces each. One brick will spawn about eight square feet of bed. Price per brick, 25c; 5 lbs., $1, postpaid. By express or freight, per brick, 15c; 10 lbs., $1.00; 25 lbs., $2.00.

### Books about Mushroom Growing

To those who wish to thoroughly read up on this subject, we recommend and can supply the following books:

**Mushroom Culture.** An English work. 50c postpaid.

**Mushrooms.** By Wm. Falconer. The best American book for beginners. $1.00 postpaid.

**Mushrooms, Edible and Poisonous.** By Geo. F. Atkinson. Contains over 250 half-tone engravings, several colored plates, and cultural directions, with flash-light photos of Mushroom houses, cellars, covers, etc. Price, $3.00, postpaid.

**The Mushroom Book.** By Nina L. Marshall. 24 colored plates, 24 black and white, and about 100 text cuts. $3.28 postpaid.

## MARTYNIA, For Pickles

This is well worth growing, as the large plants with their handsome pods attract great attention. When young and tender (test by pinching with the nail), the seed-pods make excellent pickles, and as they are produced in great abundance, a few plants will suffice for an ordinary garden. Sow in May or June. Pkt., 10c; oz., 30c; ¼lb., $1.00; lb., $3.00.

## MUSTARD, For Salads or Greens

Senf, Ger. Montardo, Fr.

The young leaves are used in early spring with cress, lettuce, etc. Sow thickly in shallow drills a foot apart, and cut when a few inches high. May also be boiled and eaten like spinach.

**One ounce sows 75 feet of drill.**

**WHITE.** Excellent for salads or garnishing. Oz., 5c; ¼lb., 15c; lb., 35c.

**BLACK or BROWN.** Leaves oblong, broad and cut. Seeds reddish brown. Oz., 5c; ¼lb., 15c; lb., 35c.

**SOUTHERN GIANT CURLED.** Leaves much crumpled at the edges and twice the size of the ordinary White Mustard. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

## Gardening for Profit

**By Peter Henderson.** The standard work on market and family gardening. The successful experience of the author for more than 30 years, and his willingness to tell, as he does in this work, the secret of his success for the benefit of others, enables him to give most valuable information. The book is profusely illustrated. 376 pages. 5 x 7 inches. Cloth, **$1.50.**

## Mushroom Culture in Brief

Two or three weeks before the bed is to be made, collect a quantity of horse manure, free from straw, and mix an equal amount of loam from an old pasture with it. Place it under cover, turning it over once or twice a week until the fiery heat has been exhausted.

When the manure is in condition to be made up, lay out the bed, say three feet wide, ten feet long, and make the bed in layers of about one foot deep; press it down firmly as the process of building goes on. When the bed has been made some time, say a week or thereabouts, and the heat is sufficiently declined to a temperature of about 65 or 75 degrees, the spawn may be put into it. Break the spawn in pieces two inches square, and put them six inches apart, all over the bed, then cover the bed with two inches of rich soil, not too wet or overdry. Cover the bed with a foot of dried straw or hay; examine once a week to see if the manure is not heated while in this condition; if so, it will destroy the spawn, and necessitate spawning a second time. If everything goes on well, you may expect Mushrooms in about five or six weeks.

## NASTURTIUM, or INDIAN CRESS

The seed pods, gathered green, are used in flavoring pickles, or as a substitute for capers.

**TALL.** Climber, 10 ft. high, ornamental flowers, large seeds. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

**DWARF.** A trailer, requiring no support; smaller but more profuse. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

## OKRA, or GUMBO

Essbarer Safran, Ger. Gumbô, Fr.

Sow after weather becomes warm, in rows three feet apart, two feet apart in the rows. Will succeed in any good garden soil. The young green pods make a healthful and nutritious soup, and when pickled are a fine salad.

**IMPROVED DWARF.** A distinct early variety. Pods comparatively short. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

**WHITE VELVET.** Bears round, white, smooth pods, unlike other varieties, which are ridged or square-edged. The pods are of extra large size, and are produced in great abundance. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

**RADISH, a Profitable Crop.** Farmers' boys can make money easily and very quickly by sowing an ounce or two of Radish seed. It is surprising how many bunches can be sold at 5c each from the little garden plot. Only 4 to 5 **weeks** required from sowing to selling. Try it and see.

# ZWIBEL, Ger. ONION SEED OGNON, Fr.

**We pride ourselves in supplying the VERY BEST ONION SEEDS that can be produced**

ANY ARTICLE which is used in quantities proportionately large becomes an article of sharp competition, and this business rivalry naturally leads to strife to produce the commodity at lowest possible price. This, in many things, is legitimate and desirable, but **emphatically NOT SO in Onion Seed.** Nevertheless, the effort to offer Onion Seed at low prices has the tendency to make the grower less careful in its production, the result being seeds **not** of the high quality appreciated by experienced planters.

**The Onion Seed we offer you is strictly Market Gardener's Stock and is the product of bulbs critically examined and specially selected for seed purposes on the merits of their shape and color.**

The Onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise.

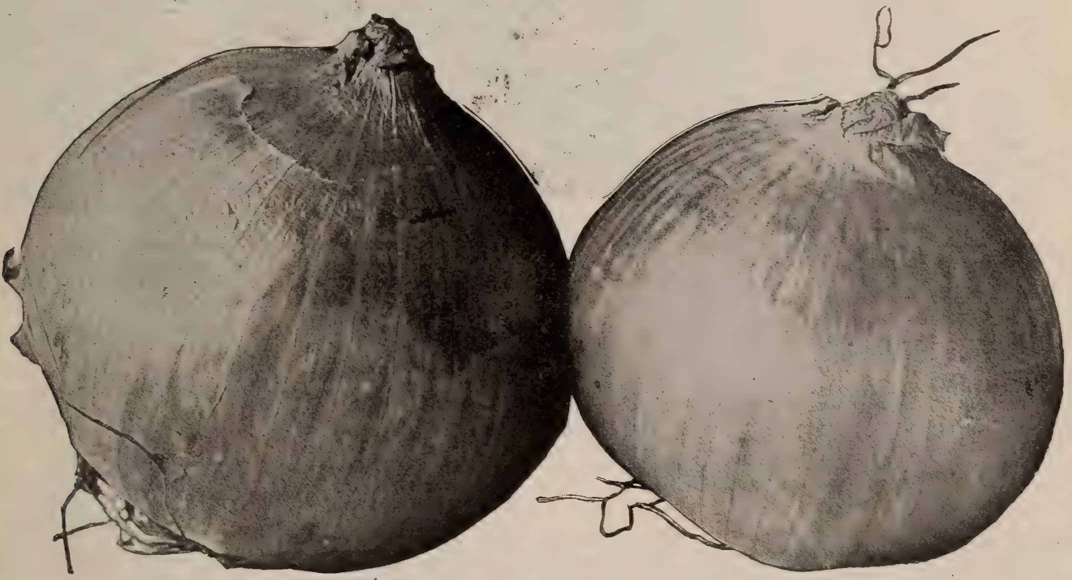
As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering half an inch. When the plants first appear in the rows, commence hoeing, just skimming the surface. Subsequently, weed thoroughly and carefully by hand. When the tops die, pull the onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off one-half inch from the bulb. Winter in a frost-proof place.

**One ounce for 200 feet of drill; 4 to 5 lbs. for an acre.**

## The New Onion Culture

By T. Greiner.

Rewritten, greatly enlarged, and brought up to date. A new method of growing onions of largest size and yield, on less land than can be raised by the old plan. Many farmers, gardeners, and experiment stations have given it practical trials which have proved a success. Illustrated. 140 pages. 5 x 7 inches. Cloth, 50 cents, postpaid.



ONIONS, BARNARD'S SELECTED YELLOW GLOBE

**GLOBE ONIONS** *are preferred by some growers to those of any other shape. Such onions do not occupy any more space in the row; their size and solidness make them weigh out and measure more, and their attractive appearance finds for them ready sale in nearly all markets.*

## Barnard's Yellow Globe

This is a superb onion for all classes of soil (well enriched) on account of its quick maturing qualities, and especially good for muck lands. The onions from this strain of seed ripen **early and all at once.** They are **distinct and perfect in shape, with very small necks; handsome, bright, even color.** The firm solid bulbs are all that can be desired in **size and quality.** Being **excellent winter keepers,** they are sought in all onion markets. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

**SOUTHPORT YELLOW GLOBE.** A larger and heavier onion than Yellow Globe Danvers. It has thin, yellow skin, white flesh; is fine grained, mild flavored, and the best of keepers. Reliable for bottoming and free from scullions. It matures early; sells at the best prices. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $1.85.

**MICHIGAN YELLOW GLOBE.** This onion, while globe-shaped, has a somewhat flattened base. The bulbs are deep yellow in color, ripen early, and are good keepers. **Recommended for culture upon black soil.** Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.50.

## Yellow Globe Danvers

A well-known standard onion for **market purposes and home use.** A heavy cropper and good keeper. Skin, silvery yellow; flesh white, comparatively mild and well flavored. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.40; 5 lbs.. $6.00.

**AUSTRALIAN BROWN.** Bulbs of this variety have been kept in perfect condition **the year around.** The onions are of medium size, somewhat flattened but deep through and of a light reddish-brown color. They mature **very early,** being two weeks earlier than Yellow Danvers. The bulbs are firm, and ripen up hard and smooth with small necks. The flavor is mild and sweet. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.00.

**YELLOW DANVERS.** This differs from Yellow Globe Danvers in that the bulb is flatter. Being a heavy yielder, it is largely cultivated both for market and home use. It is also grown to a considerable extent for sets. Pkt., 5c; oz., 25c; ¼lb., 35c; lb., $1.00.

**YELLOW DUTCH OR STRASSBURG.** This is the kind chiefly used around Chicago and elsewhere for sets. It is later, flatter, and has a darker colored skin than Yellow Danvers. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.00.

**ONION GROWERS** *and Market Gardeners who use large quantities of Onion Seed should write us for special prices. Name quantity and kinds wanted.*

**Add 8c to pound price if we are to mail the seeds.**

# ONION, continued

**Prizetaker** A very handsome onion of **the largest size,** and nearly globular in form. (See the center bulb in the engraving). Skin light yellow; flesh white. It is **easily grown,** medium early in maturing. By sowing early and transplanting as described in **The New Onion Culture** (mentioned on preceding page), this variety can be grown to an enormous size. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.35.

**EXTRA EARLY RED FLAT.** A medium sized flat variety, good yielder. Ready for use about two weeks earlier than Large Red Wethersfield. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.40.

**BARNARD'S SELECT RED GLOBE.** Of medium size, spherical, with small neck. Deep, rich color, handsome form, and superior quality. We offer a strain of exceptionally fine seed, much superior to that usually sold. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.25.

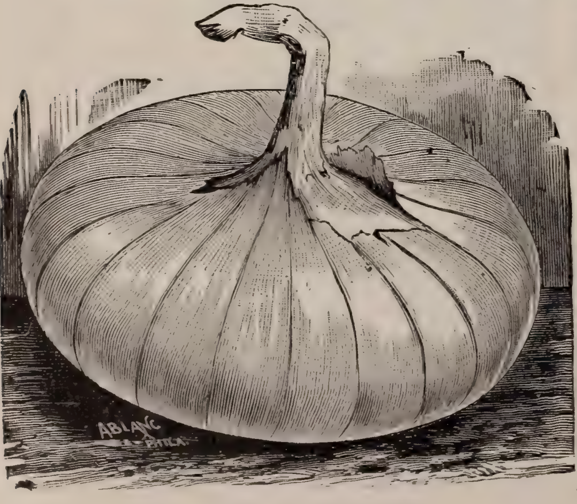
**LARGE RED GLOBE.** This is a good ordinary strain. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

ONIONS, PRIZETAKER, RED WETHERSFIELD

**Large Red Wethersfield** Very popular, a sure and heavy yielder and good keeper; grows to an immense size, oval shaped, flattened on top, skin purplish red; flesh purplish white, strong flavored. The best variety for poor or dry soils. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

**White Portugal** or **Silverskin.** The bulbs are flat in shape and mature earlier than those of Yellow Danvers. It is a splendid variety both for home use and the market gardener. It is extensively used for growing sets, for which it is well adapted on account of the shape of the bulb and its excellent keeping qualities. It is also used largely for pickling. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., $1.60.

**White Globe** One of the most beautiful globular, mild flavored onions. A favorite for market; **salable everywhere.** It is of **very large size,** and of **fine quality.** Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.25.



ONION, MAMMOTH SILVER KING

**Mammoth Silver King** In this onion are combined these desirable qualities: immense size, fine shape, white flesh of wonderful tenderness and sweetness. **Matures early.** For exhibition purposes and for fancy grocery trade, this onion is a desirable one to grow. Pkt., 5c; oz., 20c; ¼lb., 40c; lb., $1.50.

**WHITE QUEEN.** Fine pickling variety. Bulbs flat and small. Sown in February, they will make onions one or two inches in diameter in early summer. Very early and of rapid growth, and keeps the year round. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

## Bermuda Onions Teneriffe Grown Seed

In very early spring, the handsome oval Bermuda onions reach the northern markets, where their great size at once arrests attention. The are tender and mild in flavor. These fine onions can be grown in our northern climate, but will not attain the size of the imported ones. For best results, sow in hotbed and transplant.

**RED BERMUDA.** Pkt., 5c; oz., 25c; ¼lb., 80c; lb., $3.00.
**WHITE BERMUDA.** Pkt., 5c; oz., 25c; ¼lb., 80c; lb., $3 00.
**CRYSTAL WHITE WAX.** A white flat onion: fine for slicing. Pkt., 5c; oz., 30c; ¼lb., $1.00; lb., $3.50.

## ONION SETS

**Bottom Sets** are grown from seed, and are the most used. **Top Sets** are cultivated in some parts of the country. **White Multipliers** are fine for bunching green. They are enormously productive.

**Three quarts of sets will plant a row 100 yards long.**

| | | |
|---|---|---|
| White Bottom Sets | Pint, 15c | Quart, 25c |
| Yellow Bottom Sets | " 15c | " 25c |
| Red Bottom Sets | " 15c | " 25c |
| Top Onions | " 15c | " 25c |
| Potato Onion | " 15c | " 25c |
| White Multiplier | " 20c | " 35c |

**If to be mailed, add 10c per quart.**

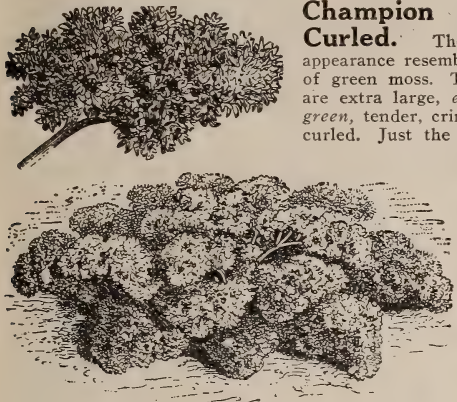
Prices on large quantities are subject to market changes. Write us when you are ready to buy, stating quantity and kinds wanted.

**Seeds by Mail.** To our pound prices 8c should be added to cover postage.

# PARSLEY

PETERSILIE, Ger. PERSIL, Fr.
**1 ounce will sow 150 feet of drill.**

Soak the seeds a few hours in lukewarm water and sow early in spring, in drills one foot apart. Thin out the plants to four inches. To preserve in winter transplant to a light cellar or glass frame. Used for garnishing and seasoning soups, meats, etc.



CHAMPION MOSS CURLED PARSLEY.

**Champion Moss Curled.** The plant in appearance resembles a tuft of green moss. The leaves are extra large, *extra dark green,* tender, crimpled and curled. Just the thing for market men to sell in bunches of pot herbs. We recommend this sort. Pkt. 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

**FINE DOUBLE CURLED.** A curled variety having crimped leaves. It is used mostly for garnishing. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

**PLAIN OR SINGLE.** Plain leaves of excellent flavor. They are longer than those of the curled Parsleys. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

**HAMBURG.** The edible portion is the fleshy root. It is highly esteemed for flavoring soups, stews, etc. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

# PARSNIP

PASTINAKE, Ger. PANAIS, Fr.
**1 oz. will sow about 150 ft. of drill.**

Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter, as frost improves the quality of the roots. The Parsnip is valuable not only as a table vegetable, but for stock feeding purposes also.

MAGNUM BONUM PARSNIP

**Magnum Bonum** It gives the utmost satisfaction and yields the most money to the market gardener because of its decidedly handsome appearance, smooth, heavy roots, which are broad at the shoulder, fine grained, and of superior quality. Pkt., 5c; **oz., 10c; ¼lb., 20c; lb., 70c.**

**HOLLOW CROWN.** An old standard sort, long, sweet, and very productive. One of the best for general cultivation. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

**IMPROVED GUERNSEY.** This is a good, half-long variety, having smooth roots. It is of good quality and recommended for the family garden. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

**EARLY ROUND.** The earliest. Roots are of small size. Sometimes used for bunching with pot herbs. For shallow soils use this sort. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

We continue to furnish the same full-sized packets and **high** quality seed that we have always done. We pay the **postage on seeds** by mail at packet, ounce, and quarter pound **rates.** To pound price 8c per lb., must be added.

# PEANUTS

When sending your seed order, don't forget to order a few Peanuts for the boys and girls. Plant in May, in drills 3 feet apart, placing the nuts 8 to 12 inches apart in the drill. Cultivate flat and keep clean.

**SELECTED VIRGINIA.** A fine, productive strain, selected especially for seed purposes. By mail, postpaid, ¼lb., 15c; lb., 25c.

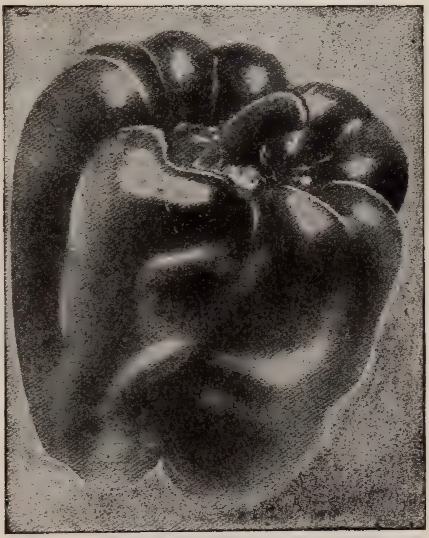
# PEPPER

PFEFFER, Ger. PIMENT, Fr.

Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for the purpose, and for pickling. The mild, sweet varieties, like **Golden Dawn** and **Ruby King,** are used for mangoes, while the small-fruited sorts are best for sauces.

Peppers are more tender than most vegetables. The seed should be sown in a hotbed, cold frame, or if no other convenience, a box in the window, and transplanted about the last of May. They can be sown in the open ground when the weather becomes warm and settled. Warm, mellow soil, well fertilized, should be used.

**1 ounce of seed for 1,500 plants.**



CHINESE GIANT PEPPER

**Chinese Giant** The best, **mildest and largest red pepper.** Fruit of bright scarlet color when ripe. Excellent for eating and for stuffing. The *Rural New Yorker* (one of the best of the weekly agricultural papers), speaking of it editorially, says: "Chinese Giant pepper has given us great satisfaction the past summer. It is mild and well flavored, and appears to be one of the few sweet peppers that do not shock the unwary customer by suddenly developing a taste like a torchlight procession." Pkt., 5c; oz., 30c; ¼lb., 85c.

**LARGE BELL, or BULL NOSE.** Mild, thick, and hard; suitable for filling with cabbage, etc., and for a mixed pickle. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

**SWEET MOUNTAIN.** Similar to the Bell, but larger, much used for stuffed pickles. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

**GOLDEN DAWN.** Color bright golden yellow, very brilliant and handsome. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

**RUBY KING.** The peppers attain a very large size. When ripe, they are of a beautiful bright ruby red color, and are mild and pleasant to the taste. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

**LONG RED CAYENNE.** Hot and pungent; dwarf growth. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., $2.00.

**CELESTIAL.** Conical fruits, creamy tinted, turning to scarlet when ripe. Pkt., 5c; oz., 25c; ¼lb., 75c.

**CHERRY RED.** Smooth, round variety. Fruit glossy scarlet. Pkt., 5c; oz., 25c; ¼lb., 75c.

**PEPPER PLANTS.** These we can supply in season. (See end of Vegetable Seeds on page 26.)

ERBSEN, Ger. POIS, Fr.

# GARDEN PEAS

Our Seed Peas are all grown in the north, and are of the **earliest and hardiest as well as the purest strains.** They are far superior to most of the Seed Peas sold. They may be expected to bring well-filled pods, which cheap and carelessly grown seed will not do.

The number of Garden Peas is almost limitless. While new and improved sorts are constantly being brought out, a great many of the others continue to be popular. It is worth while to make a trial of some of the new ones offered here as well as the standard sorts on the page which follows this to determine upon the best for future use.

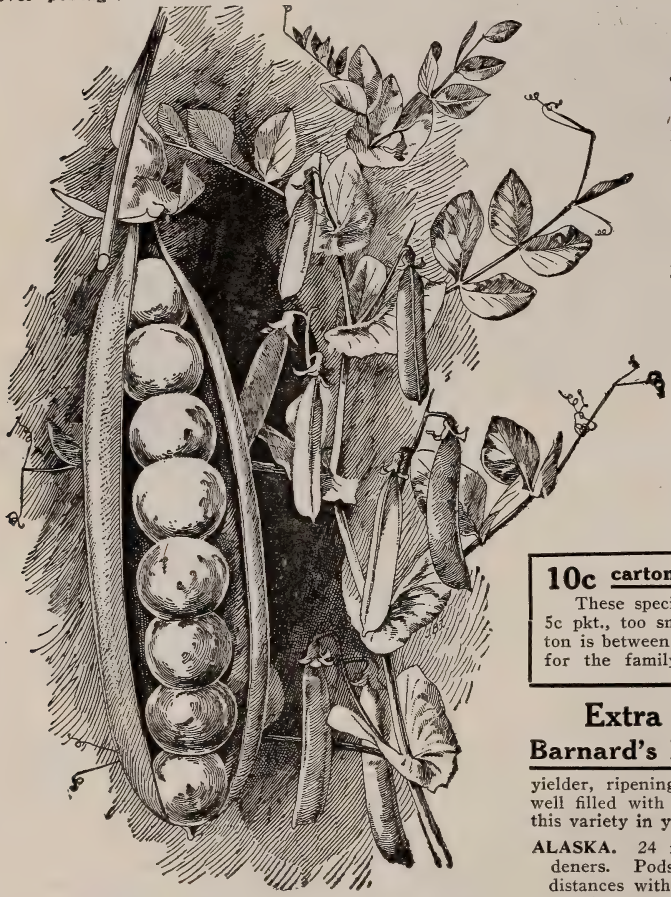
The smooth-seeded early sorts, such as **Leader, Alaska,** and **First and Best,** can be sown while frost is yet in the ground, while larger and sweeter peas sown at the same time would rot. **Sow some of the early, second early, and late varieties at intervals of about two weeks apart,** and your table will be supplied with peas during the entire season.

**If to be mailed, add 8c to pint and 15c per quart to cover postage.**

Dwarf growing Peas require very rich soil and *need no support of any kind;* tall growing sorts should be trained to wire trellises or supported by brush. Wrinkled peas (indicated * thus) are the sweetest, and are recommended for the home garden.

*Figures preceding description of varieties indicate height.*

**One quart of seed will sow 100 feet of drill.**



## THREE GOOD PEAS

**Little Marvel*** 18 in. Matures about the same time as Nott's Excelsior, but ripens all at once and is **a better cropper.** The dark-green pods are produced in pairs. They are about 2½ inches in length, blunt at the end. Most flattering reports on this pea come from different parts of the country. Thus far the seed is extremely limited in quantity, and can be offered accordingly only. Pkt., 10c; pint, 30c; quart, 50c.

**Alderman*** 3 ft. Ripens mid-season, or second early. **Vigorous and robust grower.** Produces extra large, well-filled pods resembling Telephone. A valuable variety for the market gardener, as in addition to its other good points it is a profuse bearer. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

**Gladstone*** 3 to 4 ft. Main crop. Makes long pods, pointed, and slightly curved. They are in good condition to pick at a period of the year when practically all other peas have ceased to bear. The peas are of high quality. We bespeak a trial of this fine new variety. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

**10c cartons of Peas, Beans and Sweet Corn.**

These special packages are designed for those who find a 5c pkt., too small and a pint more than sufficient. The carton is between the two sizes and contains a desirable quantity for the family garden. Postage paid.

## Extra Early and Early Varieties

**Barnard's Leader** 30 in. It is absolutely **the earliest of the earlies,** and is a prodigious yielder, ripening with great uniformity. Pods of medium size, well filled with *round smooth peas* of splended flavor. Include this variety in your order. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.00.

**ALASKA.** 24 in. A desirable, very early pea for market gardeners. Pods dark green, peas blue. Can be shipped long distances without losing its color. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.00.

**FIRST AND BEST.** 30 in. Stocky and vigorous grower. Makes pods of good size. Pkt., 5c; pt., 25c qt., 40c; pk., $2.00.

**American Wonder*** 12 in. Its dwarf habit of growth makes it well suited for the home garden. Matures in about five weeks. Seed medium sized, generally flattened, wrinkled; pale green in color. Quality and flavor excellent. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.50.

**Thomas Laxton*** 36 in. A variety of exceptional merit, producing long, plump pods almost **square** at the end, and peas of superb quality. **Especially desirable for the home garden.** Although it commences to bear very early, it continues for a long time. The peas, too, have the merit of retaining their tenderness even after the pods are no longer young. Pkt., 5c; pt., 30c; qt., 50c; pk., $3.00.

**Sutton's Excelsior** 18 in. Ready at same time as Nott's, but has much larger pods. They are long, straight, bright green, and well filled out. The vines are hardy, permitting early planting, and they yield heavily. Pkt., 5c; pt., 25c; qt., 45c; pk., $2.50.

**Goodwin's Prizewinner*** 18 in. Season, three days later than Alaska. Vine of branching habit, profuse bearer, producing twelve to sixteen pods containing six to eight peas each of good size and quality. Seed, light green. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

**Richard Seddon*** 18 to 21 inches. A new and dwarf variety of exceptional merit. In season about the same time as American Wonder, but by some supposed to be better than that well-known variety. The vines and pods of Richard Seddon Pea are dark green in color. The latter are well filled with large, sweet peas of finest flavor. It has proven a sure cropper, and is certain to meet with universal favor. Pkt., 10c; pt., 30c; qt., 50c.

**TOM THUMB.** 12 inches. Peas smooth and white. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

**Customers who are unfamiliar with different Peas are invited to leave selection to us.**

# PEAS—Extra Early and Early Varieties.—Continued

The Pint and Quart quotations do not include postage. If Peas, Beans, or Sweet Corn are to be mailed or shipped by express prepaid, please add to our prices 8c pint, 15c quart to Peas and Beans; 5c pint, 10c quart to Sweet Corn, for postage.

***Nott's Excelsior** 15 inches. The pods average fully one-third larger than those of **American Wonder**, and while Nott's may not always be quite so early by a few days, are all ready for picking at one time. Each pod contains 6 to 8 large peas. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.50.

***Gradus** (Prosperity). 30 inches. As early as Leader, Alaska, and other smooth-seeded sorts, with the size and quality of Telephone and Stratagem. One market gardener says of it: "*Gradus is nice looking, easy to pick, and sells better than the smaller kinds.*" (See photo of pod, natural size.) The pods are large, nearly round, plump, bright green in color, well filled with peas that are sweet, rich, and mellow. Crop extremely short. Pkt., 5c; pt., 30c; qt., 50c; pk., $3.00.

**PREMIUM GEM.** 15 in. Requires no support. One of the most profitable peas for market or family use. It has been successfully used for forcing under glass. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

## 10c Cartons of Peas, Beans and Sweet Corn.

These special packages are designed for those who find a 5c pkt. too small and a pint more than sufficient. The carton is between the two sizes and contains a desirable quantity for the family garden. Postage paid.

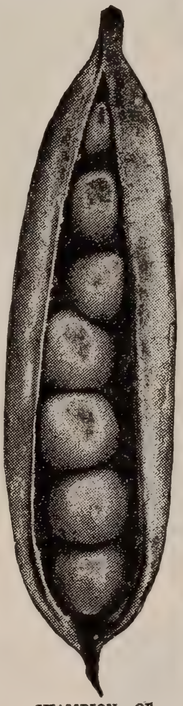
***ADVANCER.** 30 inches. It bears medium-sized pods that are well filled with dark-green, large peas. Quality good as the best. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

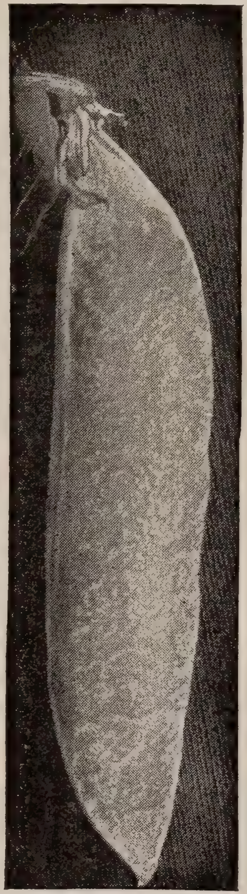
**EVERBEARING.** A first-class Pea for summer and autumn use; pods 3 to 4 inches long, and contain 6 to 8 peas of a rich flavor, very sweet and tender. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

***Dwarf Telephone** 24 in. This grand pea is rapidly gaining favor among gardeners of all classes. In habit it is dwarf and stocky. Bears close planting, and requires no sticks or supports. The pods frequently measure 5 inches in length, and are broad, straight, and remarkably well filled. The color of the pod is pale green, and it is thick, plump, and well adapted to marketing. Pkt. 10c; pt., 30c; qt., 45c.

***HOSFORD'S MARKET GARDEN.** 2 feet. Prolific, pods well filled, 3½ inches long. For summer crop there are few better. A standard sort. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

The three pods shown here are actual size (made from photographs). A little study will convey to the intending purchaser just what he may expect from the seed planted. Our descriptions are conservative, not exaggerated. They are based upon the field notes taken at the growing stations.


CHAMPION OF ENGLAND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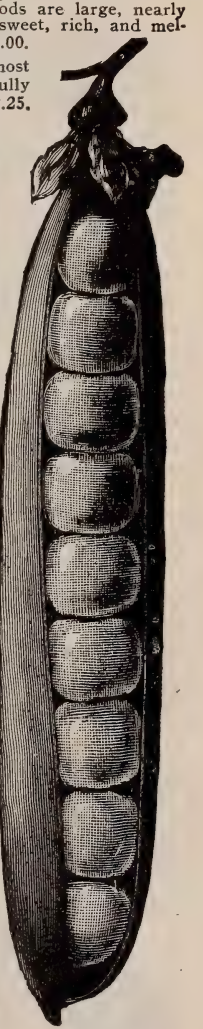

TELEPHONE

## Main Crop and Late Peas

***Admiral Dewey** 4 feet. Undoubtedly the best of all the class of long vine, large podded peas, such as Telephone and Stratagem. Pods usually borne in pairs, and in great abundance; they are about 2½ inches long, curved bright green, crowded with six to nine peas of the very best quality and color. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

***Telephone** **Selected Stock.** Immensely productive. Leaves coarse; vines grow 4 feet high. They produce enormously, and eight to ten pods to a vine. The pods are very large; so well filled with peas of excellent quality that **Telephone** has become one of the most prominent late peas to be grown for market. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.00.

***Improved Stratagem** 2 feet. The pods are of immense size and uniformly filled with very large dark-green peas of the finest quality. Vines stocky, with broad, light-green leaves, and bearing an abundance of large handsome pods. A splendid variety either for market purposes or home garden. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.50.

***CHAMPION OF ENGLAND.** 4½ feet. For a long time this variety has been regarded as the standard **late** garden pea. From it the whole race of green wrinkled peas has been developed. Comes into bearing just after Stratagem. One of the most delicious peas in existence. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

**LONG ISLAND MAMMOTH.** 42 inches. A very large, mid-season variety, of special value for market gardeners, on account of the large size and remarkable productiveness. Tender, sweet, and luscious. The peas are almost smooth when dry. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

**BLACK-EYED MARROWFAT.** 60 in. Hardy, strong, and vigorous. Pods are broad, thick, and leathery. They contain four to five large peas of good substance. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25.

**ROYAL DWARF WHITE MARROWFAT.** This and the preceding variety are usually grown as field crops. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25.

### Sugar or Edible-Podded Peas

When cooked, they are equal to the best snap beans. Being hardy, can be planted early in spring. Of strong, upright habit, growing about 12 to 15 inches high. The pods are gathered while young and boiled whole. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.25.

**Customers who are unfamiliar with different Peas are invited to leave selection to us.**

**One Peck Will Plant 125 Hills**

# Selected Seed Potatoes

**In Drills 10 to 12 bushels per acre**

Any good well-drained, fibrous loam will produce Potatoes under right climatic conditions. For early Potatoes, which mature 8 to 10 weeks from planting, the soil must be particularly rich. A rich clover sod, manured and broken the year before and planted to corn, beans, peas, oats, etc., is in best shape for giving a good yield of nice clean Potatoes.

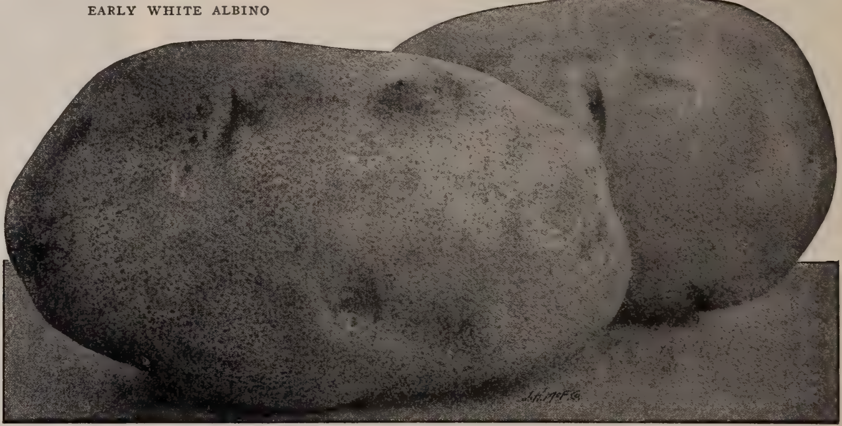
**Culture.** Potatoes are planted at various times—both early and late. Cut the tubers so there will be two to three eyes to each piece. Plant in hills or rows about 3 feet apart and from 15 to 18 inches apart in the row. Spray the leaves of the young plants with Arsenate of Lead or dust with Bug Death as a protection against blight and attacks of beetles.

**Changing Seed.** It pays to change Seed Potatoes occasionally, just as much so as Seed Oats. Advantages gained, among other things, are increased vigor and productiveness—in some instances well-selected seed stock has doubled the crop on the same quantity of land. Tubers grown from changed seed are smoother, of better appearance, and more salable on the markets.

**Please Order Early** and name a date for us to ship. On late orders state your second choice in case we are sold out of first selection.

**Prices of Potatoes are subject to market changes. Potatoes are forwarded by express or freight as directed, purchaser paying charges. We assume no risk on Potatoes, and ship strictly on purchaser's responsibility. Sacks contain two and one-half bushels.**

EARLY WHITE ALBINO

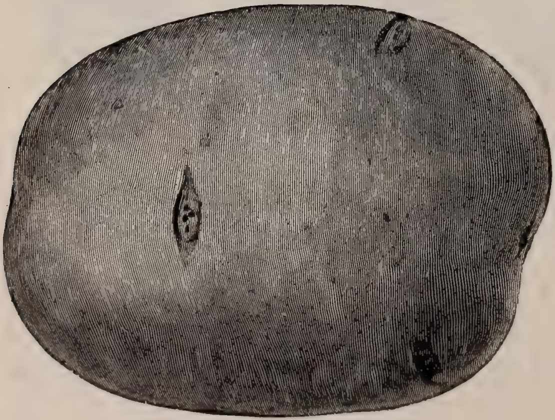


## EARLY WHITE ALBINO

The skin and flesh are extremely white, of exceptionally good cooking quality and very prolific, fully as early as the old Early Rose in maturing, and particularly valuable for the early market by reason of its fine shape and early maturity. The vines grow erect and it is one of the best early varieties to withstand blight and disease. Plant this potato early in good soil and give it good cultivation, and pleasing results are sure at harvest time. One grand thing in favor of this early potato is its great keeping quality. Peck, 75c; bushel, $2.25.

**Early Rose** Some growers declare that Early Rose has never been excelled in quality or productiveness by newer varieties. Tubers are of good size, in color light pink. Pk., 50c; bu., $1.50; sack (2½ bu.) for $3.25.

**Red River Early Ohio** Probably the most popular early potato in the country. Tubers smooth, oblong in shape; resisting scab and dry weather well and bearing the even-sized, abundant tubers compactly in the hill. A popular favorite. Pk., 50c; bu., $1.50; sack (2½ bu.) for $3.25; 5 bu. for $6.00.



IRISH COBBLER

**Irish Cobbler** Round, pure white, extra early, and of the very best quality. Grows uniformly large, there being fewer small potatoes than in any other early kind. The seed we offer is exceptionally fine. **Irish Cobbler** will produce results on soils that are too heavy for other potatoes, making it a valuable variety for those whose potato ground of the right sort is limited. Pk., 50c; bu., $1.50; sack (2½bu.), $3.25; 5 bu. for $6.00.

**Rural New Yorker, No. 2** A medium second early (about a week later than Early Ohio). A large yielder and of excellent quality. Tubers nearly round, flattened, with very smooth, pure white skin always attractive in appearance. Pk., 40c; bu., $1.25; sack (2½ bu.) for $3.00; 5 bu. for $5.00.

**Sir Walter Raleigh** An A-1 late Potato. It closely resembles its parent, Rural New Yorker No. 2, but is more uniform and yields practically no small tubers, almost every one being marketable. It is from 4 to 6 days later than Rural New Yorker; the color of the skin is the same, but the flesh is whiter and of better quality, being extremely fine grained. Its shape and appearance are such that it finds ready sale in market wherever offered. Pk., 40c; bu., $1.25; sacks, 2½ bu., $3.00; 5 bu. for $5.00.

**Please order early and tell us to ship by freight or express, also date you wish potatoes sent.**

## Potato Growers' Requisites

**Simplex Sprayer.** For applying Arsenate of Lead, Lime-Sulphur, etc. Made in two sizes: No. 1, Brass Tank, $7.50; No. 2, Galvanized Tank, $5.75.

**Leggett's Powder Gun.** Distributes Paris Green, Hellebore, Sulphur, and all *dry* powder. Price, $8.00, complete.

**Bug Death.** Comes in dry powder. Can be applied dry or in water. Safe and sure on potatoes and garden truck generally. For price, see page 85.

**Dickey Duster** to apply above, 25c.

**Acre-an-Hour Duster.** Works rapidly, economically, and effectively. 75c.

**The Potato.** By Samuel Fraser. 5 x 7 inches, 180 pp. Cloth, 75c. Treats fully on both the practical and scientific sides of cultivation, harvesting, storing, marketing. Richly illustrated by photographs and drawings. A complete, reliable and authoritative work well worthy of careful reading.

# POTATOES FOR GENERAL CROP.—Continued.

## Snow

### A Grand New Maincrop Potato

It originated in Maine, in which state our seed stock was grown. Repeated trials in various sections of the country prove this to be a really valuable and desirable variety.

Snow is a white potato, with a netted skin—a sure sign of good eating quality. The market wants just such a potato. No progressive cultivator of potatoes should fail to give this excellent variety a trial this season.

On account of the large yields that have been reported of this potato, it is rightly entitled to be called the "Poor Man's Friend." It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper, and fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous and tubers always good size where soil is well tilled. Our customers will find the Snow a very reliable potato. We can furnish nice stock while the supply lasts. Lb., 40c; 3 lbs. for $1.00, postpaid. Pk., 75c; bu., $2.50.

## Seed Sweet Potatoes.

**Choice stock grown and handled expressly for seed purposes.**

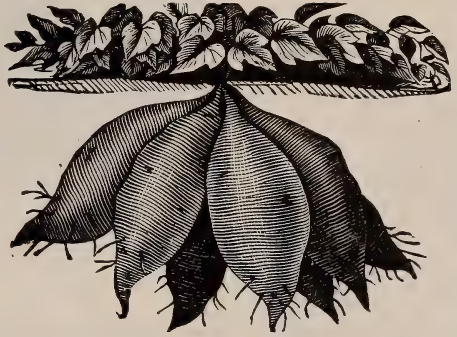
Please order early giving date you wish them shipped. *We do not ship until planting time.*

We pack Seed Sweet Potatoes for shipment in boxes and barrels with greatest care but as Sweet Potatoes are very susceptible to climatic changes *we assume no responsibility for their condition after leaving our hands.*

The following can be supplied.

| Price subject to market changes. | Peck | bu. |
|---|---|---|
| Yellow Nansemond | $0.50 | $1.75 |
| Yellow Jersey | .50 | 1.75 |
| Red Bermuda | .75 | 2.25 |

Please send orders in early.



## SWEET POTATO PLANTS.

We can supply these in their season in any desired quantity. For prices on these and any other vegetable plants see end of Vegetable seedlist.

For large quantities special quotations will be given on application.

## .. PUMPKIN ..

Kuebbis, Ger. Potiron, Fr.

*1 oz. to 15 hills; 4 to 6 lbs. to an acre.*

The seeds are planted with corn or potatoes, but may be profitably raised in fields by themselves. Sow early in May in hills eight feet apart. For monster Pumpkins for exhibition purposes plant Mammoth Tours in very rich ground and feed liberally with liquid manure.

**JAPANESE PIE PUMPKIN.** Seeds peculiarly sculptured. Ripens early. Flesh thick; salmon colored; fine grained dry, and sweet. Pkt. 5c; oz, 10c; ¼ lb. 25c; lb, 75c.

**CALHOUN.** Color outside is yellowish-brown, flesh salmon yellow, flesh thick and of splendid quality. Pies made from it are delicious to eat. Pkt, 5c; oz. 10c; ¼ lb. 20c; lb. 65c.

**CONNECTICUT FIELD.** Oz. 5c; ¼ lb. 15c; lb. 30c.

**LARGE CHEESE.** Its fine flesh and rich color make it valuable for table use. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

**WINTER LUXURY.** *As a cooking variety and winter keeper it stands unequalled.* It is nearly round, 9 to 10 inches in diameter; of a golden yellow color, netted like a muskmelon. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb., 75c.

**TENNESSEE SWEET POTATO.** Pear shaped. Color of skin and flesh creamy white; flesh thick, when cooked resembles sweet potatoes. Keeps late into spring. This is an old favorite pumpkin. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**SUGAR.** An excellent small round Pumpkin, with deep orange colored skin, flesh sweet and sugary. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

**MAMMOTH TOURS.** Grown chiefly for exhibition purposes and for stock feed. It grows to an enormous size, frequently weighing over one hundred pounds. Skin salmon color, flesh yellow, keeps a long time. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb. 90c.

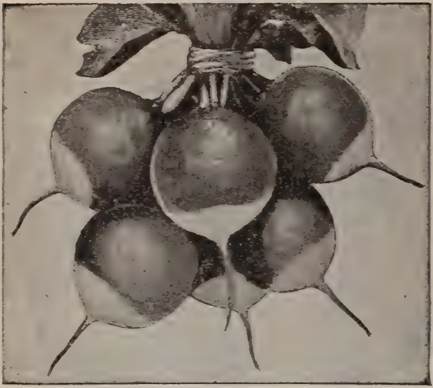
## FLORICULTURAL AND HORTICULTURAL LITERATURE

**Carefully Selected Books at Moderate Cost. For List see Page 88.**

The well-read gardener is almost invariably a successful one. He is aware of the advantage of machinery in tilling the soil; of fertilizers likely to increase his crops: of ways and means to destroy fungus and to fight insect foes as well as to possess full information of the latest and best methods of culture as applied to special or general crops. Knowledge on these and other gardening topics is within reach of all by reading books.

# RADISH

Rettig, Ger.
Radis, Fr.



SCARLET GLOBE RADISH

For an early supply, sow in a hotbed in February, care being taken to give abundant ventilation to prevent running to [illegible]. For open-air culture and succession, sow from middle of Ma[illegible] September at intervals of a week or ten days.

The growth must be rapid to insure cri[illegible]culence, and mildness of flavor. A fine, dry, sandy loam, [illegible] made light with well-rotted manure is best adapted for the [illegible], all heavy soils producing directly the opposite results from those desired.

**1 oz. to 100 ft. of drill; 9 or 10 lbs. per acre, in drills.**

## EARLY TURNIP-SHAPED AND GLOBE VARIETIES

Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c; 5 lbs., $2.50; 10 lbs., $4.50.

**8 cents per pound should be added if wanted by mail**

**EXTRA EARLY SCARLET FORCING.** A small-leaved variety specially adapted for forcing under glass. Globe shaped, bright scarlet in color.

**EARLY SCARLET TURNIP, White Tipped, Forcing.** Bright scarlet with white tip. This is a fine strain for forcing under glass.

**EARLY SCARLET TURNIP, White Tipped.** For outdoor culture this is a most popular Radish. A good market variety.

**EARLY SCARLET TURNIP.** Mild.

**SPARKLER.** Of bright scarlet color with a well-defined, clear white tip. Rapid grower; good for either forcing or ordinary culture.

**Crimson Giant** Globe - shaped with a thin, tender skin of deep crimson; grows to a very large size without losing its crispness or becoming pithy or hollow.

**EARLIEST CARMINE OLIVE.** One of the very best for forcing. The color is a rich carmine; flesh crisp, tender, and fine flavor.

**ROSE, OLIVE SHAPED.** Skin, scarlet; flesh, rose colored; tender; crisp.

**WHITE, OLIVE SHAPED.** Clear white, crisp and mild.

**FRENCH BREAKFAST.** Fine for open ground or forcing. Valued for its excellent quality and fine color, which is a beautiful scarlet on the body and white at the extremity. Flesh white, tender, and mild.

**SAKURAJIMA.** A mammoth round radish from Japan. Flesh pure white, with sharp, agreable flavor. Pkt., 5c; oz., 25c.

### Scarlet Globe

**Market Gardener's Improved Strain**

Excellent for forcing under glass in the greenhouse, hotbed, or cold-frames. It makes a small top and stands a great amount of heat without becoming pithy. Sown in the open ground in early spring, it will produce radishes five or six days ahead of all others.

**EARLY ROUND DARK RED.** One of the **quickest growing** and **handsomest extra early** varieties in cultivation. Ready for use in three weeks.

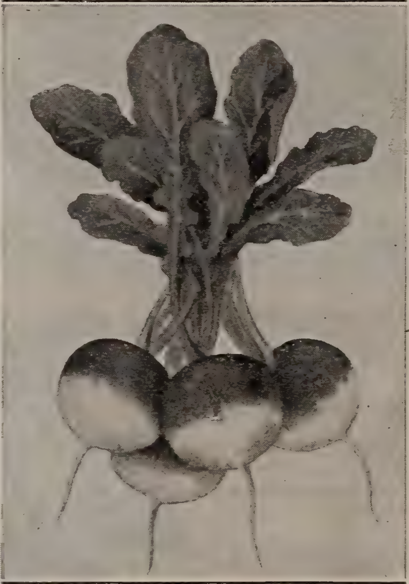
**ROSY GEM.** Globular, with rich, deep scarlet top, blending into pure white at the bottom.

**EARLY WHITE TURNIP.** Round.

**NON PLUS ULTRA.** Good for forcing; will mature in 18 to 20 days. Round, slightly flattened; color, bright scarlet.

**WHITE SUMMER, turnip rooted.** One of the earliest of the summer varieties. Root oblong, tapering. Smooth, white and handsome.

**YELLOW SUMMER, turnip rooted.** Can be sown late; stands heat well. Skin light yellow, flesh white.



SPARKLER RADISH

## HALF LONG AND LONG VARIETIES

Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c; 5 lbs., $2.25.

**HALF LONG DEEP SCARLET.** Recommended for forcing; matures in about twenty days. Roots deep, rich red color, with clear white flesh and small foliage.

**LONG SCARLET SHORT TOP.** The roots grow half out of the ground, are uniform in shape, smooth, and bright red in color.

**WOOD'S EARLY FRAME.** Earlier, shorter and thicker than Long Scarlet.

**BRIGHTEST LONG SCARLET, or CARDINAL.** Vivid scarlet, tipped with white. For so long a radish is very **early**, being ready for use in twenty-five days.

**CINCINNATI MARKET.** The scarlet-colored skin is very thin; the flesh white, crisp, and brittle, grows about seven inches long.

**CHARTIER.** One of the very best for outdoor sowing in summer. Roots bright crimson in upper portion, shading to white at the tip. Comes in quite early.

**ICICLE.** Pure white; ready in about 25 days after planting.

**LONG WHITE VIENNA, or Lady Finger.** Straight, smooth, white roots, fine grained.

**WHITE STRASBURG.** One of the best of the later sorts, of handsome oblong shape, tapering to a point. Both skin and flesh are pure white.

**GIANT WHITE STUTTGART.** Skin and flesh white; of vigorous growth, maturing in five weeks, although usually pulled earlier.

## WINTER VARIETIES

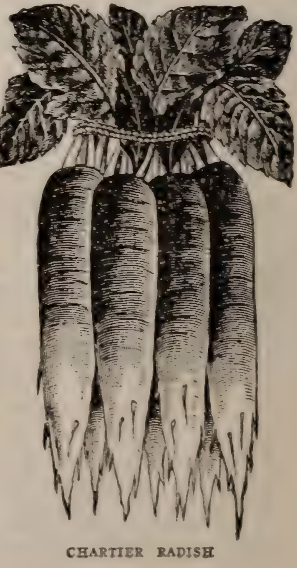
**Sow in July and August**

Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c; 5 lbs., $2.50.

**CHINESE WHITE.** A long, white radish. Flesh tender and crisp. Keeps well through winter.

**CHINESE ROSE.** Skin very smooth and of a bright rose color. Flesh firm, crisp, and pungent.

**LONG BLACK SPANISH.** Black skin. Flesh white, excellent flavor. One of the hardiest and finest.



CHARTIER RADISH

## RHUBARB

### Or Pie Plant

**LINNAEUS.** The earliest variety grown. Desirable for market or family garden. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., $1.00.

**VICTORIA.** Leaf stalks, tall and large. Sometimes weighing 2 pounds each. Skin thick and red stained. Pulp quite acid. Productive and profitable for market gardeners. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., $1.00.

### RHUBARB ROOTS

WE supply divided roots, not seedlings. Mailing size, each, 15c.; doz., $1.50 postpaid.

## SALSIFY

### Or Vegetable Oyster

SOIL and culture should be the same as for parsnips, taking pains to make sowings as early as practicable each spring.

**MAMMOTH SANDWICH ISLAND.** A new and improved type, producing roots of nearly double the size and weight of the old variety, and of equally good quality. It has been extensively grown for the markets of many of the large cities, entirely superseding the old sort. Pkt., 5c.; oz., 15c; ¼lb., 35c; lb., $1.00.

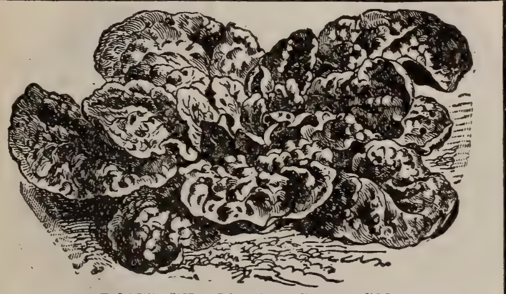
## SWISS CHARD

### Or Spinach Beet

ALSO called Sea Kale Beet. The middle of the leaf, or midrib, is cooked and served like asparagus. The other portions of the leaf may be used like spinach. This beet does not make a large root, but is a delicious summer vegetable when cut young and used for "greens." Pkt., 5c.; oz., 10c.; ¼ lb., 25c; lb., 75c.

**SORREL** Large leaved French. The best garden variety. Pale green leaves of fine quality. Pkt., 5c.; oz., 15c; ¼lb., 25c; lb., 75c.

## SPINACH



LONG STANDING SPINACH.

**THICK LEAVED ROUND.** One of the best market sorts for spring or autumn sowing. Oz., 5c.; ¼ lb., 10c.; lb., 25c.

**VICTORIA.** This variety is an acquisition to the list of Spinach; it matures later but is of remarkably fine texture, of the deepest green, heavily crimped, thick, fleshy leaves, deep red stem. It is now grown extensively by the truckers of our markets. Oz., 5c.; ¼ lb., 10c.; lb., 25c.

**BROAD FLANDERS.** One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly deep green, thick and somewhat crimped in the center. A very desirable sort. Oz., 5c. ¼ lb., 10c.; lb., 25c.

**NEW ZEALAND.** This endures heat and is best for summer. Pkt., 5c.; oz., 10c.; ¼ lb. 20c.; lb., 60c.

**PRICKLY WINTER.** Use for fall sowing as it is extremely hardy. Seeds prickly, leaves not so large as those of other varieties. Oz., 5c; ¼lb., 10c; lb., 25c.

**LONG STANDING.** Leaves dark green and thick. Not inclined to run to seed for a long time. Popular with market gardeners. Oz., 5c.; ¼ lb., 10c.; lb., 25c.

**BLOOMSDALE or Savoy Leaved.** Of upright growth; leaves curled and crimpled, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Oz., 5c.; ¼ lb., 10c.; lb., 35c.

**Special price for all varieties except New Zealand: 5 lbs., $1.00; 10 lbs., $1.70; 100 lbs., $15.00.**

## SQUASHES for Summer Use

**GOLDEN CUSTARD.** It grows in bush form. Color, rich golden yellow. A valuable variety of superior quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

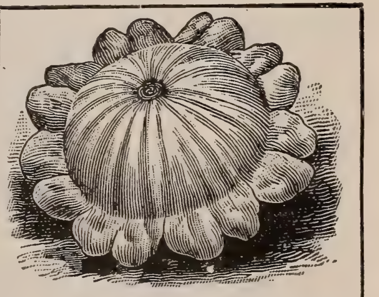
**SILVER CUSTARD.** Similar in appearance to above; not quite as large. Skin white. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

**MAMMOTH WHITE BUSH.** Extremely early; one of the best for summer use. Fruit white, with scalloped edges. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

**MAMMOTH YELLOW BUSH.** Not quite so early as white bush. Quality fully equal. Color, light yellow Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

**GIANT SUMMER CROOKNECK.** Twice as large as the ordinary Summer Crookneck, much more warty and several days earlier. Fruit golden yellow. Pkt., 5c.; oz., 10c.; ¼ lb. 25c.; lb., 65c.

**Add 8c to pound price for postage.**



EARLY WHITE BUSH SQUASH.

WARTED HUBBARD SQUASH

**GOLDEN HUBBARD.** Earlier than Green Hubbard; a little smaller. Color orange red. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

## SQUASHES for Winter Use

**PERFECT GEM.** Wonderfully prolific, fruit round, flesh cream colored; dry, sweet and rich. Pkt., 5c.; oz., 10c.: ¼ lb., 20c.; lb., 75c.

**FORDHOOK.** Good both for summer and winter use. Bright yellow color; thick meat. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

**"THE DELICIOUS."** Fine flavor. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.

**ORANGE MARROW.** Handsome appearance; creamy colored. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

**BOSTON MARROW.** Early fall sort; rich orange color, excellent flavor. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

**VEGETABLE MARROW.** A famous English sort; rich, white flesh. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

**MAMMOTH CHILI.** Grows to an enormous size, weighing sometimes nearly 200 pounds. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**ESSEX HYBRID.** Good to follow peas or potatoes; hard shell. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

**HUBBARD.** The favorite winter squash. Color dark green; shell extremely hard; excellent keeper. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

**CHICAGO WARTED HUBBARD.** An exceptionally good keeper. Has very dark green warted skin. Splendid shipper. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 90c.

# TOMATO

LIEBESAPFEL, Ger. TOMATE, Fr.

We make a specialty of growing superior Tomato Seed. It is all saved with the greatest care from selected fruit. In the list below we offer the best of the old varieties as well as improved varieties of recent introduction. Tomato plants supplied in season. Prices on page 26.

For early crops sow in hotbed, greenhouse, or inside the window or sitting-room, where the temperature does not fall below 65 degrees, in February or March, transplanting—to secure stockiness — when three inches high, to pots, cold frames, or other parts of the bed, and about five inches apart. After all danger of frost is over, transplant finally to open ground, four to six feet apart.

**One ounce will produce 2,000 plants.**

**ACME. Improved Strain.** Ripens early; of medium, uniform size; glossy red with purplish tinge; round and smooth, free from cracks. An excellent Tomato for market gardeners' use, as it ships well. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

**ATLANTIC PRIZE.** Extra early; of good form; bright red in color. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

**IMPROVED BEAUTY.** A favorite both for the home market or shipping purposes. Medium early. Fruit round, smooth, crimson, with purplish tinge. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

**Coreless** A grand main crop, scarlet, globe-shaped variety. One of the best for shipping long distances. Bears its fruit in clusters, immensely productive. Pkt., 10c; oz., 30c; ¼lb., $1.00.

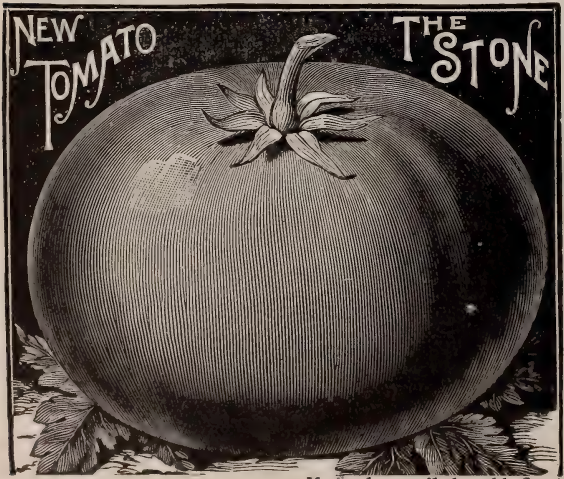
**CRIMSON CUSHION.** Bears continuously and late. Extremely large and smooth; solid as a beefsteak; nearly seedless. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

**DWARF ARISTOCRAT.** Desirable for culture under glass and for growing outdoors for early market. Can be planted 2 x 3 feet apart. Color, glossy red. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.50.

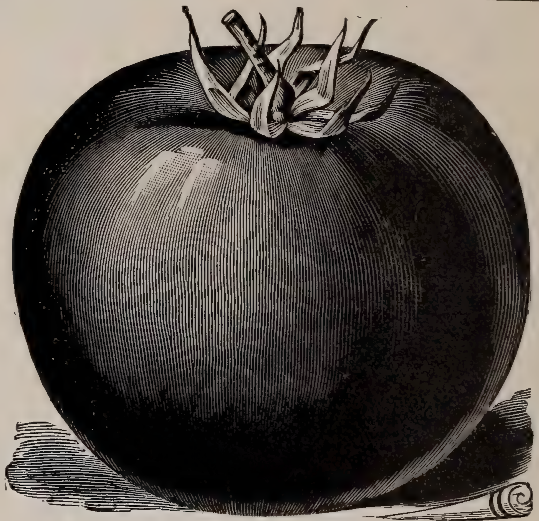
**DWARF CHAMPION.** Dwarf and compact in growth, the plants grow stiff and upright, with foliage unlike most others. Fruit in form and color like Acme. Recommended for the home garden. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.50.

**Earliana** You will make no error in giving Earliana a trial this season. **It is a full week ahead of all others,** handsome in appearance, of large size, dark red color and delicious flavor. **Ripens clear to the stem and does not crack.** In solidity and fine quality, equal to the best medium and late sorts. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

**Early Detroit** The latest new Tomato. The vine is a better yielder and more vigorous than that of Acme. Not only are more fruits produced, but they average more nearly globe-shaped, are heavier, and are equally as firm, smooth, and suitable for shipping. The fruits are of good size throughout the season, which is unusually long for so early a variety. We are confident that this rare combination of very desirable features will soon bring Early Detroit into general prominence as the best Tomato of its class. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.50.



**EARLIANA Special Strain.** By selecting the earliest and best-formed fruits for a succession of seasons we offer this special strain as a most desirable one for market men. It has every good quality to commend it. Pkt., 10c; oz., 50c.



BEAUTY TOMATO

**GOLDEN QUEEN.** A real good **yellow sort of first-rate quality.** On the table the golden yellow slices make a beautiful contrast with the red sorts. Makes splendid preserves. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

**JUNE PINK.** This variety will commend itself to those who like a pink-colored fruit. Ripens early; bears for a long season. Pkt., 5c; oz., 25c; ¼lb., 75c.

**Livingston's Globe** A fine variety for greenhouse or for early outdoor growing. Its peach or globe shape permits a greater number of slices to be taken from each fruit than any other variety. Flesh firm with few seeds. Color, a glossy rose, tinged purple. Pkt., 5c; oz., 25c; ¼lb., 75c.

**MAGNUS.** As early as Acme or Beauty but thicker and heavier. Color, red with purplish tinge. Suitable for greenhouse culture as well as in the open air. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., $2.50.

**PERFECTION.** An improved Acme, with *blood-red skin*, making it a valuable canning sort. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

**PONDEROSA.** Handsome in appearance, smooth, of a dark, rich crimson color, and a delicious sub-acid flavor. Solid, almost seedless. Fruit is somewhat rough; excellent for stewing. Pkt., 5c; oz., 25c; ¼lb., 80c.

**ROYAL RED.** Fruit large, bright scarlet, of good quality for canning. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

**STONE.** One of the extra large fruited sorts, solid and firm fleshed as its name indicates. Smooth, ripening to the stem without a crack; color, bright scarlet, fine for canning; quality the very best. It is popular everywhere; no one finds any fault with Stone. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

**TREE TOMATO.** So called from growing in tree-like form and bearing large, plump, red fruit that is extremely solid, hard and of excellent quality. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.50.

## SMALL-FRUITED TOMATOES

**STRAWBERRY, or Husk Tomato.** Also called ground cherry. The small yellow fruits are each enclosed in a husk and are of delicious flavor, either raw or preserved. Pkt., 5c; oz., 25c.

**Yellow Plum, Red Currant, and Red Cherry.** Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.50.

**If to be mailed, add 8c to lb. price to cover postage.**

# WEISZE RUEBEN, Ger. TURNIP NAVET, Fr.

For early use, sow as soon as ground opens in spring, in drills from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows. For succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November, or before severe frosts; cut off tops within an inch of the crown, store in cool cellar or pit, or pile in a conical form out-of-doors, in dry ground; cover carefully with long straw, and finish by earthing up with about 12 or 15 inches of earth, leaving a trench around the heap to carry off water. **One ounce of seed for 150 feet of drill; one pound for an acre.**

**EXTRA EARLY PURPLE TOP MILAN.** Of handsome appearance; somewhat flattened, white with purple top. Two weeks earlier than Purple Top Strap Leaf, good for spring or fall planting. Bulb forms very rapidly. Pkt., 5c. oz., 10c; ¼lb., 30c; lb., $1.00.

**EARLY WHITE MILAN.** Similar in shape and size to the above, equally early; surface smooth and pure white; flesh white, tender, fine grained, and of fine table quality. Pkt, 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

**EARLY WHITE FLAT DUTCH.** One of the best for the family garden in spring. It grows rapidly, making a smooth, flat turnip of medium size. Oz., 5c; ¼lb., 20c; lb., 45c.

**WHITE EGG.** Used for spring and fall sowing. Egg-shaped, growing half out of the ground. Flesh sweet and mild. Oz., 5c; ¼lb., 20c; lb., 50c.

TURNIP, SNOWBALL OR SIX WEEKS

**Purple Top Strap Leaf** Good for early spring or fall use. White skin and flesh with red or purplish top. A general favorite and used in all parts of the country. More largely grown than any other turnip. Oz., 5c; ¼lb., 20c; lb., 50c; 5 lbs., $2.00.

**WHITE FLAT NORFOLK.** A standard sort, usually grown for feeding stock. Oz., 5c; ¼lb., 20c; lb., 50c.

**SNOWBALL or SIX WEEKS.** The finest white-fleshed, ball-shaped, early table turnip. Bulbs small, smooth, and round, with clear white skin and sweet, crisp flesh. Oz., 5c; ¼lb., 20c; lb., 50c.

**Purple Top White Globe** A fine table turnip. It is an early and heavy cropper as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. Oz., 5c; ¼lb., 20c; lb., 45c; 5 lb., $2.00.

**POMERANIAN WHITE GLOBE.** A large and most perfect globe in shape, skin white and smooth. Of strong growth and one of the most productive varieties. Valuable for both table and stock. Oz., 5c; ¼lb., 20c; lb., 45c.

**PURPLE TOP YELLOW ABERDEEN.** Root round and tapering. Flesh pale yellow, tender, sugary, and of superior flavor. A hardy and productive standard variety. Oz., 5c; ¼lb., 20c; lb., 45c.

**To lb. price add 8c for postage.**

## RUTABAGAS

Rutabagas are among other vegetable roots **grown for cattle**, horses, and sheep. The animals thrive and fatten on Rutabagas, Carrots, and Mangels, which changes their diet.

**AMERICAN PURPLE TOP.** Deep purple above, yellow underneath; flesh yellow, solid, and sweet. Good for stock or table use. Oz., 5c; ¼lb., 20c; lb., 45c.

**MONARCH.** A superior variety to cultivate for cattle feeding, the flesh being nutritious. Oz., 5c; ¼lb., 20c; lb., 45c.

**SKIRVING'S PURPLE TOP.** Flesh yellow. Good keeper. Oz., 5c; ¼lb., 20c; lb., 45c; 5 lbs., $2.00.

**WHITE SWEDE or Russian.** Grows very large; excellent for table or stock, flesh firm, white, solid, has a very rich and sweet flavor. Oz., 5c; ¼lb., 20c; lb., 45c.

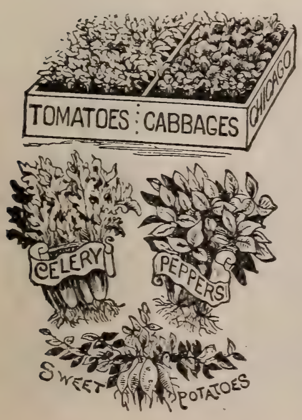
## TOBACCO SEED

**One ounce will sow a bed of fifty square yards.**

The seed should be sown as early as possible after danger of frost is over. When the plants are about six inches high, transplant into rows four or five feet apart each way.

**CONNECTICUT SEEDLEAF.** This variety is grown in the Middle and Northern States, being comparatively hardy. Pkt., 5c; oz., 20c; ¼lb., 60c.

**HAVANA.** The seed offered is a superior strain of Cuban grown stock. Pkt., 10c; oz., 40c; ¼lb., $1.00.



## VEGETABLE PLANTS

We grow large quantities of Vegetable Plants at our nursery, and can supply all the varieties listed below in their proper season. They are well grown. Can be shipped fresh from the beds on a day's notice. **If wanted by mail, add 15c per 100 for postage on CABBAGE, CAULIFLOWER, and SWEET POTATO PLANTS, and 30c per 100 on EGG PLANTS and TOMATO PLANTS.**

While we can and frequently do ship Vegetable plants by mail, we strongly advise customers to have them sent by express. Not only can larger plants be supplied, but there is much less risk of their spoiling in transportation.

| | Doz. | 50 | 100 | 1,000 |
|---|---|---|---|---|
| **CABBAGE.** Early, transplanted. Ready about April 15 | $0.15 | $0.35 | $0.60 | $4.25 |
| **CABBAGE.** Late varieties, field-grown plants. Ready June 1st | | .20 | .30 | 2.50 |
| **CAULIFLOWER.** Early, transplanted. Ready about April 15 | .20 | .65 | 1.00 | 7.00 |
| **CAULIFLOWER.** Field-grown plants. Ready June 20 | | .30 | .50 | 4.00 |
| **CELERY.** Sheared back several times. Ready June and July | .15 | .30 | .50 | 4.00 |
| **SWEET POTATO.** Ready middle May and June | .20 | .35 | .65 | 3.75 |
| **TOMATO.** Twice transplanted. Ready during season | .15 | .60 | 1.00 | 7.00 |
| **EGG PLANT.** Twice transplanted. Ready about May 15 | .25 | .80 | 1.50 | |
| **PEPPER.** Twice transplanted. Ready about May 15 | .25 | .80 | 1.50 | |

# BARNARD'S SELECTED FARM SEEDS.

MOST important to all who depend for their living on the products of the soil is selected seed, that not only will germinate, but is reliable. That is the kind we sell. Every seedtime the sales in this department show a large increase over the previous year. We number among our patrons some of the most well-to-do farmers in the country, several of whom annually entrust to us their entire orders for the seed grain as well as for the grass and clover seeds required for their acres. We have built up a large trade in improved varieties of farm seeds.

There's a reason for the confidence our customers have in the seeds we supply—**Quality.** When this business was established, **Quality** was taken as the watchword. We furnish **the best** that can be had anywhere. Pedigreed seed comes higher than ordinary, but the value to the planter of high-grade stocks is vastly greater. Our seed grain is grown and specially prepared for planting purposes. It is carefully selected by experienced seedsmen, thoroughly cleaned, and handled only by careful employees, as a safeguard against errors in filling.

**Prices,** unless stated otherwise to the contrary, include bags for shipping and delivery to depot in Chicago. Purchaser is to pay freight or express charges. The prices named are **NET, no discount,** and are based on value existing when this is written. We will maintain prices as far as possible, but *they are subject to changes of the market and without notice.*

**We make no charge for bags, but do not pay freight charges.**

## SEED OATS

**A change of stock of Seed Oats is as necessary as a change of Potatoes.**

There are many new, or so-called new, varieties of oats introduced each year. Many are old sorts renamed; others may be justly classed as humbugs. That some kinds are improvements upon others, and pure seed better than mixed, no one will deny. Those we list here are straight goods; you get just what the name and description call for.

**Swedish Select Oats** The United States Department of Agriculture describes this as the "Best American Oat." It is an early white variety, producing grain of good weight and quality. Straw is medium in height and strong. Swedish Select, on account of its vigorous root action, can be recommended for a variety of soils, doing well on nearly all. Our stock of Swedish Select Oats was grown from seed imported last year from Sweden, and we were fortunate in securing very satisfactory results from the stock seed, both with regard to quality and yield, enabling us to offer extra heavy seed of this special strain for a very reasonable price. To acquaint yourself with the superior merits of this strain of Swedish Select Oats, we advise you to sow a few bushels. Bu., $1.25; 10 bu. for $10.00.

**Big Four Oats** A western grower, known as a close observer, says of this oat: "It has the **plumpest kernel** of any variety, and is as large every way as any. It is always a **very white oat,** free from black kernels, and this year certainly it is the brightest oat that we have. Then it has **wonderfully stiff straw,** so that it stood up well in spite of one of the worst seasons for rain ever known. It is medium early, and a great yielder." Lb., 20c, prepaid: Pk., 25c; bu., 90c; 10 bu. for $8.50, bags included.

GREEN MOUNTAIN OAT

**Read's Green Mountain Oats** **Absolutely rust-proof.** More dependable and profitable than most of Oats. Grain weighs from 35 lbs. to 42 lbs. per bushel. Other superior points of merit are: Resists drouth best, least damaged by harvest rains; grains largest and purest white in color, adapts itself to the greatest variety of soils and climate, straw and grain of the finest and best quality, either cut green or dry, and the chaff and leaves adhere to the straw when threshed, making it the most economical and profitable to feed. From eight days to two weeks earlier than White Russian. Will stand a long time after dead ripe without damaging. A great stooler and heads fill every year, and always practically free from light, chaffy kernels.

**We guarantee all the grain we sell this year under Read's name and description to come direct from him.**

Prices: By express or freight, not prepaid: Pk., 75c; ½ bu., $1.10; 1 bu., $2.00; 2½ bu., $4.75; 5 bu., $9.25; 10 bu., $17.50, net.

**Black Tartarian Oats** They are preferred by those who have had experience with them principally on account of their superior yielding qualities, but besides being fully equal, if not better than white oats in point of feeding qualities, they possess another very valuable characteristic in the unequalled stiffness and strength of straw. Lb., 30c, postpaid. Pk., 35c; bu., $1.25, not prepaid. Special prices will be named for quantities.

**Where larger lots of Seed Grain than those quoted on this and other pages are wanted, please write us for special prices.**

# SEED BARLEY

**48 lbs. to bushel. Sow 50 to 90 lbs. to the acre**

This crop is receiving more attention in some parts of the country than formerly. It has proved of **inestimable value to every one who feeds stock,** either alone or mixed with other feed. It also brings a fair price in market.

## Read's Vermont Beardless

is a strictly new barley with hulls on. Widely tested and distinctly superior. After eleven years of selection is now thoroughly fixed. Straw stands high; free from smut or blight. Heads six-rowed, large, and long; kernels plump and heavy. An enormous yielder. As easy to handle as oats and much more profitable. Has strong and deep root formation, thus it reaches more available plant food and moisture than any other known sort and rendering it the greatest drouth-resister, most marvelous in health and stooling qualities, and unapproached in its powers to stand up perfect besides giving it many other important advantages not here mentioned. In malting qualities it has no equal in its class. Threshes easier than other beardless barleys, yet it does not shatter in the field or during harvesting.

**Prices:** By express or freight, not prepaid: Lb., 30c; ½ pk., 75c; pk., $1.10; ½ bu., $1.75; 1 bu., $3.00; 2½ bu., $7.00; 5 bu., $12.50; 10 bu., $23.50.

## Read's Triumph

is the result of a scientific cross made by G. A. Read in 1897 between the two-rowed Highland Chief and the six-rowed Manshury, to produce a distinct six-rowed variety with stronger straw and heads as long, but thicker and better filled than Manshury. Its points of superiority are: Strongest straw; stands up best; crinkles least; rapid grower, arrests weeds; enormous stooler; best for grain mixtures; resists drouth best; never affected by disease; largest heads; grain colors less and weighs 48 to 52 pounds per bushel; grand malting variety; soft, silky beards; safer to feed; easier to handle.

**We guarantee all of the grain we sell this year under Read's name and description to come direct from him.**

**Prices:** By express or freight, not prepaid: 1 pk., 75c; ½bu., $1.25; 1 bu., $2.10; 2½ bu., $5.00; 10 bu., $17.50.

## White Hulless

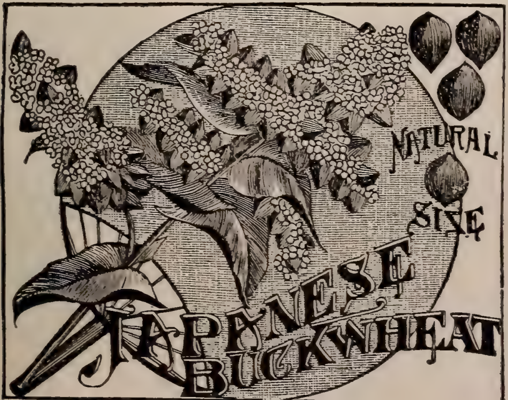
**A Great Novelty in Barley.** Plump, heavy kernels, which, when threshed, are **hulless like wheat kernels.** Early, prolific, well-filled heads. Straw is fine for feeding. No beards. As fattening feed for hogs it has no equal. 20 hogs made a gain of 106 pounds to the hog in five weeks. The best way to feed it is to grind it and feed it dry. Prices: Lb., 20c; postpaid; pk., 50c, not prepaid. Write for price in large quantity.

## Oderbrucker

This barley possesses high malting and feeding qualities. It is similar to the Manshury, and has the additional merit of being a heavy yielder. In all sections where it has been tried it has superseded other barleys. We consider it the best of the six-rowed barleys. Sow 2 bushels to acre. Wisconsin grown seed, peck, 50c; bushel, $1.85.

## Cahoon Seed Sower

Sows all kinds of grain, clover seeds, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with the machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four-fifths in labor by its use. Every farmer should have one of these sowers. Price, $3.25.



READ'S BEARDLESS BARLEY

## Evergreen Broom Corn

Wherever the location is suitable for growing Broom Corn farmers find it a paying crop, the demand for Broom Corn brush exceeding the supply. This evergreen variety grows about 8 to 10 feet high, stands up well, and is entirely free from crooked brush. The fiber is long and fine. It will not get red in the field before it is cut, but is strictly a green variety of brush. Lb., 20c, postpaid; pk., 60c, not prepaid.

## Buckwheat

**Sow 3 pecks to 1 bushel to the acre.**

Buckwheat is not considered exhaustive to the soil. As a smothering crop, where the land contains objectionable weeds, it is very desirable, and it puts the soil in admirable condition for any crop that is desired to succeed it.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.

**JAPANESE.** It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour. Lb., 20c, postpaid; pk., 50c, not prepaid.

**SILVER HULL.** Grain silver-gray in color. Rounder than common buckwheat, is earlier, has thinner husk, and yields more. Lb., 20c, postpaid; pk., 50c, not prepaid.

**COMMON BUCKWHEAT. Selected Seed.** Lb., 15c, postpaid; pk., 40c, not prepaid.

Write for prices in larger quantities than here named.

## Seed Flax

Price subject to market changes.

Flax should be sown late enough in the spring to avoid frost, but as early as it is possible to do so, in order to secure the early spring rains. When grown for the fiber, about one bushel should be sown to the acre; but if for seed alone, usually one-half bushel is sufficient. Lb., 20c, postpaid; pk., $1.00, not prepaid.

Write for prices in larger quantity.

# Selected Seed Field Corn

The varieties offered by us are among the very best now in general use. Our Seed Corn is carefully selected, cured, and shelled. At these very liberal prices no one can afford to take risks with inferior seed. Special prices will be made to buyers of large quantities. Tell us how many bushels you need.

## Minnesota No. 13

**Extra Early Yellow Dent**

**The commanding points of excellence which place Minnesota No. 13 Corn at the head of all yellow dent varieties for Northern planting are: Its earliness, Its enormous productiveness, Its adaptability to a great variety of soils and climates.**

To Prof. W. M. Hays, formerly agriculturist at the Minnesota State Experiment Station and now Assistant Secretary of Agriculture, Washington, D. C., is due the honor of having originated this valuable extra early yellow dent corn. Not only is it fully as early as any of the yellow dent corns, but its record of heavy yields is such as to make it as distinctly and undoubtedly the most profitable of all the yellow dent varieties.

**When the supply is gone it will be impossible to fill further orders for this variety at present value. Price will be maintained on early orders. All Seed Corn quotations are subject to advance without notice.**

**It costs less than 40 cents an acre to use our carefully selected SEED CORN. Better get some of it this year.**

MINNESOTA NO. 13. FOUR STALKS, EIGHT LARGE EARS

The stalks grow to a height of seven feet, and being leafy, make excellent and very nutritious fodder. The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth, wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length, and are borne usually two on a stalk. No corn excels in quality the Minnesota No. 13; the cobs are well filled and the individual kernels plump and of good color. Minnesota No. 13 thoroughly matures in ninety days when planted on favorable soil and in a good location, but ninety-five to one hundred days places it out of danger under average conditions. Minnesota No. 13 will thrive and produce abundantly on most any soil, and will do remarkably well under adverse conditions when other varieties would fail entirely.

## Pride of the North

**16-Rowed. Matures in 90 days**

Ears 8 to 10 inches in length and 1¼ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. In a test, 70 pounds of ears, not selected and but imperfectly dried, produced 60¼ pounds of shelled corn and only 9¼ pounds of cobs, instead of 14 pounds, the usual proportion. Stalks about medium height—6 to 8 feet.

## White Cap Yellow Dent

**16 to 18-Rowed. Matures in 90 to 100 days**

For poor, thin land this is the Seed Corn to plant for good crops. It is a strong grower (6 to 7 feet high), resists heat and drouth wonderfully, yielding good large ears on small cobs. The outer end of the grain is white, deeply dented. The inside is yellow. The fodder is abundant and of superior quality, as it remains green after the grain is matured. Many of our Illinois and Wisconsin customers who have tried this think it is the best variety for their sections.

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**TO AVOID DELAY, when ordering late, mention your second choice, should we be sold out of the variety ordered.**

# SEED FIELD CORN—Continued

## REID'S YELLOW DENT

The ear is of excellent shape, nearly cylindrical, tapering gradually to tip, length about 10 inches, kernels firm on cob, 18 to 24 rows, with narrow space between rows, color medium yellow with red cob. The ear is quite solid and rather smooth; matures in about 105 days, and yields well.

## IOWA GOLD MINE

This variety has everywhere received the most cordial endorsement as one of the best and most profitable varieties. It is early, ripening in about 100 days, ears of good size, color a bright golden yellow; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn will make about sixty pounds of shelled corn; and in hauling to market it weighs out considerable more to the wagon load than common varieties.

## LONGFELLOW

### The Favorite with Dairymen

The most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, with slender, straight ears, 10 to 15 inches long. Kernels are large and wide, and cob very small. Ripens in 75 to 85 days, and very prolific. Well adapted to the northern states and largely grown in northern Wisconsin and Minnesota.

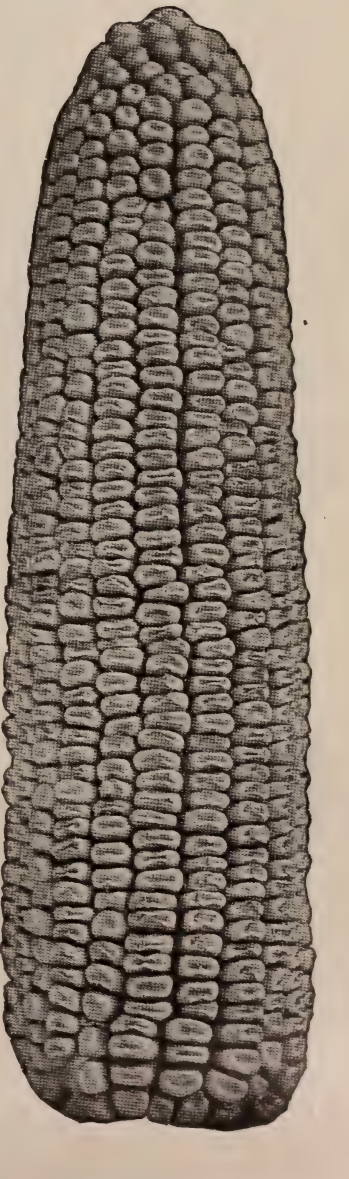
## Manual of Corn Judging

By A. D. Shamel. The advanced methods of corn judging and all the available information on this subject are incorporated in this work. It is especially helpful to farmers interested in improvement of corn, for corn schools, farmers' institutes, etc. Profusely illustrated with photographs of ears of the leading varieties of corn, desirable ears contrasted to undesirable, and kernels. In addition the score cards used in the corn states are given. **Postpaid, 50c.**

## IMPROVED LEAMING

A medium early, yellow dent, ripening in about 100 days. Having large, broad leaves, it is a good sort to grow for ensilage. It has been tested and proved satisfactory in nearly all the corn-producing states. A heavy yielder and rich in the qualities which make it valuable to stock feeders. We offer some very choice seed of the improved strain.

WE wish to impress upon buyers the advisability of ordering Seed Corn **early**; also state second choice. In past seasons we have been obliged to return money, the demand far exceeding what was deemed an ample supply.



# WHITE FIELD CORN

## IOWA SILVER MINE

Matures in about 100 days in the Illinois corn belt, say south of Chicago. The stalks grow to a height of 7 or 8 feet and set the ears about 3½ to 4 feet from the ground. The ears measure from 10 to 12 inches in length, and often weigh 1½ pounds. They are uniform in size and shape, with 16 to 20 straight rows of deep, pure-white kernels on a very small cob. *It is the heaviest yielder* we know, having produced *over 200 bushels to the acre.*

## CHAMPION WHITE PEARL

A pure-white early corn, maturing in 90 to 100 days. Very prolific; the grain is long and wide, two of which will span the cob. The cobs are unusually small for the size of the corn, and are almost all white. The ears are medium-sized, 16-rowed, and can be planted much thicker than a large corn and yet bear full-sized ears. Makes splendid meal, and is very largely grown for that purpose throughout the Middle States.

**WISCONSIN WHITE DENT.** A standard early variety. It is 16 to 20 rowed, deep grained, medium-sized ear, with a small cob. In sections of Wisconsin where other varieties of corn were almost failures this handsome White Dent matured good crops in a very backward season.

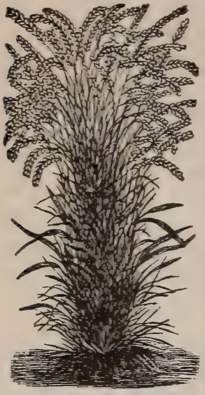
**SANFORD.** A well-known white flint corn. Medium-sized ear, averaging about 10 inches long. Handsome, large, and well-filled grains.

**MONARCH.** Pure white dent, large ears, deep grains, small white cob. Most wonderful yielder. This corn is nearly as early as Extra Early Adams, and makes the very finest roasting ears, and is ready for the table before any other variety.

**RED COB FODDER OR ENSILAGE CORN.** This is one of the best fodder corns, either to feed green right from the field, to put up for the silo, or to cure and stack away. It is pure white corn, cropping as high as 45 tons of fodder per acre. It is sweet, tender, and juicy; has short joints and therefore abundance of leaves, and grows to a fair height, but not too tall.

## SEED CORN PRICES FOR THE PRESENT SEASON

| | Postpaid | | Not Prepaid | |
|---|---|---|---|---|
| | PKT. | QT. | PK. | BU. |
| **Minnesota No. 13,** extra early | $0 10 | $0 25 | $0 60 | $2 00 |
| **Reid's Yellow Dent** | 10 | 25 | 50 | 1 75 |
| **Pride of the North,** yellow dent | 10 | 25 | 50 | 1 75 |
| **Iowa Gold Mine,** yellow dent | 10 | 25 | 50 | 1 75 |
| **White Cap Yellow Dent,** early | 10 | 25 | 50 | 1 75 |
| **Leaming**; the old favorite for grain and fodder | 10 | 25 | 50 | 1 75 |
| **Iowa Silver Mine,** a prize winner | 10 | 25 | 50 | 1 75 |
| **Champion White Pearl** | 10 | 25 | 50 | 1 75 |
| **Wisconsin White Dent** | 10 | 25 | 50 | 1 75 |
| **Sanford White Flint** | 10 | 25 | 50 | 1 75 |
| **Monarch White Dent** | 10 | 25 | 50 | 1 75 |
| **Longfellow,** yellow flint | 10 | 25 | 50 | 1 75 |
| **Red Cob Fodder or Ensilage** | 10 | 20 | 40 | 1 25 |



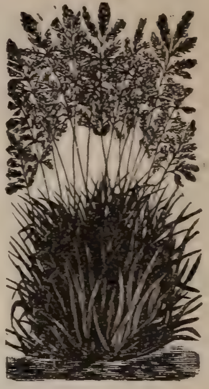
PERENNIAL RYE

# Superior Grass Seeds

Our stocks of grass seeds are selected with the greatest care. We handle none other than those of highest quality.

We wish to direct attention to our low prices on Kentucky Blue Grass and Fancy Red Top. The past season was very favorable for the growth of these grasses so that a splendid crop of fine quality was harvested. These conditions enable us to offer these excellent grasses at much lower prices than ordinarily sold for.

**The prices quoted are net, and subject to market fluctuations. Ask for ruling prices on Timothy and Clover when ready to buy. We ship by freight or express at expense of purchaser. If to be mailed, please add 8 cents per pound for postage.**



KY. BLUE GRASS

**Awnless Brome Grass** (*Bromus inermis*). Will stand long droughts and produce heavy crops in dry sections where other grasses would perish. It is one of the hardiest grasses. Will succeed in a wider range of temperature than any other grass. Sow 35 to 40 lbs. to the acre.

**Canada Blue Grass** (*Poa compressa*). Used sometimes as a substitute for Kentucky Blue Grass in Lawn Grass Mixtures, but not so desirable for that purpose either in color or texture. Its merit is in the fact that it will grow on almost any soil and under adverse climatic conditions where other grasses would fail. Especially suited for thin, dry soil.

**Creeping Bent Grass** (*Agrostis Stolonifera*). Adapts itself fairly well to most soils, but thrives best on low or moist lands. On account of its short, slender foliage, vigorous root growth, and creeping habit, it produces a turf capable of withstanding a great deal of wear, and should be included in all Mixtures designed for pleasure grounds. Seed with other grasses at the rate of about 30 pounds to the acre.

**Crested Dogstail** (*Cynosurus Cristatus*). On dry, hard soils and hills it is valuable for its hardiness. Useful for lawn mixtures. Sow 25 lbs. to the acre.

**Hard Fescue** (*Festuca Duriuscula*). A dwarf grass desirable for dry localities where many other grasses would fail. Sow 30 lbs. to the acre.

**Italian Rye Grass** (*Lolium Italicum*). Yields an early and abundant harvest on any good common soil. Recommended for pasture mixtures. Also adapted for moist situations.

**Kentucky Blue Grass** (*June Grass: Poa Pratensis*). A low-growing, creeping grass of fine texture and color, also of good nutritive value. Desirable for either lawns or pastures. It is of slow growth, requiring at least two seasons in which to establish itself. For that reason it should be seeded with other grasses. It should form a liberal proportion of all good lawn grass mixtures, as it possesses to a larger extent perhaps than any other variety, those qualities most essentially required for a fine, permanent turf. For this purpose sow 30 to 40 pounds to the acre with other grasses. Succeeds almost everywhere.

**Meadow Fescue** (*English Blue Grass; Festuca Pratensis*). An excellent pasture grass, early, nutritious, and thrives well on all good soils. The long tender leaves are much relished by cattle. It makes a very good quality of hay. Flowers in June and July. Sow 40 lbs. to the acre.

**Meadow Foxtail** (*Alopecuris Pratensis*). One of the finest varieties for permanent pastures, grows rapidly after the cropping of sheep and cattle. It grows well on all soils except the dryest sands and gravels, but thrives best on a rich, moist, strong soil. Flowers in May. Sow 25 lbs. to the acre.

**Orchard Grass** (*Cocksfoot; Dactylis Glomerata*). One of the most widely known of pasture grasses. Its properties are earliness, rapid growth, and power to resist drought. Will endure some shade. If cut when in flower, it makes first-rate hay; ripe, it makes poor hay. Flowers about the same time as Red Clover. Sow 24 lbs. to the acre.

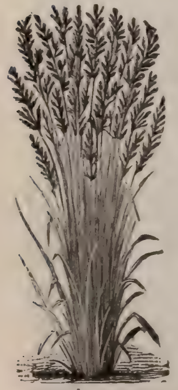
**Perennial Rye Grass** (*Lolium Perenne*). Nutritious and valuable; in most places not excelled by Blue Grass for pasture. It thrives on almost all cultivated soils; starts early and grows all summer. Flowers in June. 24 lbs. to the bushel. Sow 60 lbs. to the acre.

**Perennial Sweet Vernal** (*Anthoxanthum Odoratum*). Useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. Sow 10 lbs. to the acre with other grasses.

**Red Top** (*Agrostis Vulgaris*). Thrives best on low lands, where it cuts a good crop of rather light hay of fair quality. Suitable for low pastures. Sow 2 bu. per acre; 14 lbs. to bushel. Useful for lawn or field.

**Rhode Island Bent** (*Agrostis canina*). A low-growing, fine-leaved grass of good color. Useful in lawn mixtures. Adapts itself to almost any soil, but thrives best on high or sandy land.

**Tall Fescue** (*Festuca Elatior*). Produces large crops on strong, heavy land. Grows naturally in shady woods, roots deeply, and stands dry weather remarkably well. Sow 40 lbs. to the acre.



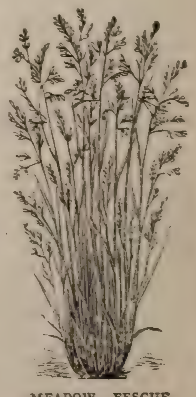
SHEEP'S FESCUE

**Timothy** (*Phleum pratense*). The standard grass for hay lands. Owing to short crops the past two years the supply has become very limited. To seed alone use 15 lbs. to the acre, or 12 lbs. of Timothy and 3 lbs. Medium Red Clover (a desirable combination). It thrives best on loamy soils.

**Wood Meadow Grass** (*Poa nemoralis*). The best variety for sowing in orchards under trees, or for shady lawns and pastures. Sow 30 lbs. to the acre.

| GRASS SEED (not prepaid) | lb. | 100 lbs. | GRASS SEED (not prepaid) | lb. | 100 lbs. |
|---|---|---|---|---|---|
| Awnless Brome Grass | $0 20 | $14 00 | Orchard Grass | $0 25 | $15 00 |
| Canada Blue Grass | 20 | 14 00 | Perennial Rye Grass | 15 | 7 00 |
| Creeping Bent Grass | 35 | 25 00 | Perennial Sweet Vernal | 45 | 40 00 |
| Crested Dogstail | 35 | 25 00 | Red Top, fancy | 20 | 15 00 |
| Hard Fescue | 25 | 17 00 | Rhode Island Bent | 35 | 25 00 |
| Italian Rye Grass | 15 | 7 00 | TIMOTHY | 15 | market |
| Kentucky Blue Grass | 25 | 18 00 | Tall Fescue | 30 | 22 00 |
| Meadow Fescue | 30 | 25 00 | Wood Meadow Grass | 45 | 30 00 |
| Meadow Foxtail | 35 | 25 00 | | | |

Express or Freight charges always to be paid by the purchaser, but if wanted to be sent by mail, add at the rate of 8 cts. per pound to prepay postage. If this is omitted the quantity will be reduced.



MEADOW FESCUE

# Grass Seed Mixtures for Hay and Pasture

These mixtures are specially blended with a view to secure the largest possible yields. All the grasses are permanent when once established. They will last indefinitely if occasionally top dressed.

ALL AUTHORITIES agree that for **Pasture** and **Hay,** best results are obtained from the use of grass seeds **in species.** The reasons are obvious. First—**A number of species** will insure a **much denser growth** than the same kind of seeds of one or two species, and prove **less exhausting** to the soil, since they live to a large extent on the same constituents. Second—Seasons that affect some grasses adversely are **favorable** to other sorts, so that with a mixture failure is **practically impossible,** provided, of course, the seed is good. We take great pains in selecting grass seeds in order to secure the **highest germination,** and mixtures are based on a full appreciation of the requirements of the different soils for which they are intended.

## Mixture for Hay Land

This is composed of thoroughly recleaned grasses and clovers which mature evenly and produce a heavy growth of high nutritive value. After the crop is cut, continuous and abundant pasturage until late fall sets in. Sow 20 pounds to the acre. Price per pound, 25c.

## Mixtures for Permanent Pastures

Containing grasses and clovers rightly proportioned, insure a succession of rich fodder throughout the entire season. We have made a very careful selection of such varieties as are especially adapted to the different soils named below, and our sales testify that these mixtures are giving our customers excellent results. Sow 30 lbs. to the acre.

| For Average Land | | For Low or Moist Land | | For High or Dry Land | |
|---|---|---|---|---|---|
| 5 lbs. | Timothy | 6 lbs. | Tall Fescue | 6 lbs. | Orchard Grass |
| 3 " | Orchard Grass | 1 " | Orchard Grass | 4 " | Hard Fescue |
| 3 " | Meadow Fescue | 3 " | Meadow Fescue | 4 " | Sheep Fescue |
| 4 " | Kentucky Blue | 3 " | Timothy | 3 " | Timothy |
| 4 " | Red Top | 5 " | Creeping Bent | 4 " | Perennial Rye |
| 4 " | Perennial Rye | 4 " | Perennial Rye | 5 " | Canada Blue |
| 3 " | Red Clover | 5 " | Red Top | 2 " | Red Clover |
| 1 " | White Clover | 3 " | Alsike Clover | 2 " | Red Top |
| 3 " | Canada Blue | | | | |
| 30 lbs. | Price per acre, $6.50 | 30 lbs. | Price per acre, $6.50 | 30 lbs. | Price per acre, $5.50 |

**GRASSES AND FORAGE PLANTS**

Describes varieties and gives information how to successfully manage grass lands.

**Price, $2.00**

FIELD OF ALFALFA—THIRD CUTTING IN ONE SEASON

# CLOVERS—Recleaned Seeds

**Prices subject to change without notice. Bags, 22c each extra**

## Alfalfa or Lucerne

One of the most valuable forage plants. It will adapt itself to almost any land that will grow clover, but thrives best on deep, well-drained soil. It may be cut several times during a season, and will yield more than any other like crop. The hay is excellent in quality, relished by all stock and of special value to the dairy farmer. Though a wonderful cropper, it does not impoverish the soil, but actually adds to its fertility. A vigorous root-growth enables it to withstand extreme drought, which often makes it a desirable hillside crop. It has steadily come into favor and is now extensively grown in nearly all the States. Every farmer should not delay another season, but put in a trial acreage this spring. We recommend spring seeding at the rate of 20 lbs. to the acre. A well-prepared seed bed free from weeds is essential for best results. Selected and thoroughly recleaned stock, per pound, 40c, prepaid; bushel of 60 pounds, not prepaid, $12.00. Samples of this stock gladly mailed upon request.

**Medium Red or June Clover.** One of the most widely grown farm crops. Valuable for hay, pasturage, or for plowing under. If seeded alone, about 12 lbs. is required to the acre. Extra select stock, per lb., postpaid, 40c; 10 lbs., not prepaid, $3.00; 100 lbs., $25.00.

**Mammoth Clover.** Grows taller and makes heavier growth than Medium Red. Excellent to plow under for green manure. Seed 10 to 12 lbs. to the acre. Per lb., postpaid, 40c; 10 lbs., not prepaid, $3.00; 100 lbs., $25.00.

**Alsike.** A very hardy clover; good for pasture and hay. Does especially well on low or moist land. Lb., postpaid, 35c; 10 lbs., not prepaid, $2.60; 100 lbs., $23.00.

**Crimson Clover.** A quick-growing annual. Desirable for pasture or to plow under. Where the winters are not too severe, should be seeded in the fall about 15 lbs. to the acre. Lb., postpaid, 35c; not prepaid, 10 lbs., $2.25.

**White Clover.** Its short, spreading habit of growth makes it valuable for lawn or pasture; very hardy. Extra fancy stock, pound, postpaid, 60c; 5 lbs., not prepaid, $2.00.

**On larger quantities than here quoted, write for prices**

## MILLETS

The several varieties will furnish food for live stock in the form of grain or seed, fodder, soil food or pasture. Especially valuable in seasons when the hay crop is short. They make the best hay if cut in blossom and carefully cured.

When spring is so unfavorable that other crops fail to grow, or when the season is so late and wet that corn will not mature, then there is demand for Millet. It should, however, be sown regularly every year, and not merely as a catch crop.

**GERMAN MILLET.** This is one of the best of the late forage crops. Can be planted as late as July, and will produce from three to four tons of hay per acre. For this purpose the crop should be cut when in full bloom. Sow at the rate of 35 lbs. per acre. Choice stock. Lb., 10c; 10 lbs., 60c; 100 lbs., $3.50.

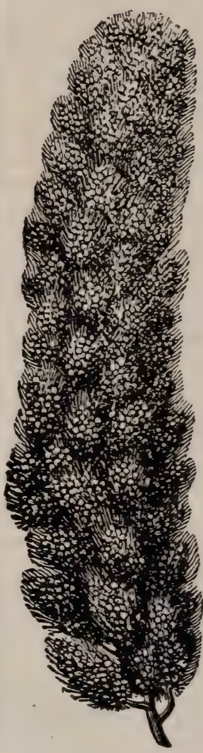
**COMMON MILLET.** Similar to above and used for the same purpose. Does not yield so heavy, however, nor is the hay of as good quality. Lb., 15c; 10 lbs., $1.00; 100 lbs., $6.00.

**HUNGARIAN MILLET,** sometimes called Hungarian Grass. This variety is in good demand as it will produce a crop earlier than any of the other sorts. It can, therefore, be planted later. The hay is also of excellent quality. Lb., 10c; 10 lbs., 60c; 100 lbs., $3.50.

**CURLED or CAT TAIL MILLET.** Favorite variety for the south where it yields immense crops and can be cut several times a season. Lb., 15c; 10 lbs., $1.00; 100 lbs., $6.00.

**JAPANESE MILLET.** Especially valuable for planting on low lands. It will make a growth of 6 to 8 feet, affords an immense amount of excellent fodder. It is quite distinct from the other Millet. Should be seeded broadcast at the rate of about 20 pounds to the acre. Can be drilled in and cultivated, requiring when sown in that way about 10 lbs. to the acre. Lb., 10c; 10 lbs., 70c; 100 lbs., $4.00.

**Prices do not include postage. If to be mailed add 8c to pound rate. All quotations subject to market changes.**



MILLET

## SEED RYE

Sow at the rate of two bushels to the acre.

**SPRING RYE.** This is distinct from Winter Rye. It does not stool out like that variety, but the straw is equally valuable. Spring Rye is now largely sown in the Middle and Western States in place of oats. It makes a good "catch crop" where winter grain has failed. Lb., 10c; pk., 50c; bu., $1.65. Write for prices in larger quantities.

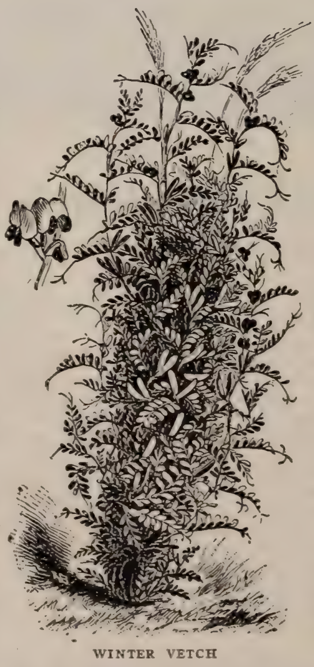
**WHITE WINTER.** This is grown by many, and plowed under as green manure. White Rye *is sown in the fall months.* We have a good clean strain of this standard grain. Lb., 10c; pk., 50c; bu., $1.65; bags included.

## SOY BEANS

Nutritive food for hogs and cattle. Almost or fully as good as Cow Peas to plow under. Plant 1 bu. to acre. Lb., 10c; bu., $3.00.

## Sunflower, Mammoth Russian

The best variety for the farmer. Growing to double the size of the common, and the yield of seed is **twice as great.** Plant in spring in rows about 20 inches wide. Use 8 or 10 quarts to acre. The seed is much relished by poultry and horses. Oz., 5c; lb., 20c, postpaid; 10 lbs., 75c, not prepaid.



WINTER VETCH

## VETCHES or TARES

These are grown very extensively in Europe for stock feeding in the form of fodder, also for plowing under to furnish humus in the soil. The Department of Agriculture estimates the value of a plowed-under crop of Sand Vetch as equivalent to putting into the ground **$16 to $45 worth of commercial fertilizers per acre.**

**SAND or WINTER VETCH** (*Vicia Villosa*). Rapidly coming into favor as a winter cover crop, also desirable to plow under for green manure, or can be pastured or cut for hay. Being of the pea family, it restores nitrogen to the soil and is therefore a crop that can be especially recommended for worn-out land. It will adapt itself to almost any soil and will grow vigorously on dry, sandy lands, under almost any adverse condition of climate. As the name implies, it is usually sown in the fall, broadcast, at the rate of a bushel (60 lbs.) to the acre. Sometimes sown with rye, 40 to 50 lbs. of Vetch to about 30 lbs. of rye. If sown in the spring, it will produce a crop which can be cut for hay in mid-summer and second growth pastured afterwards. Try this crop and be convinced of its many merits. Choice quality seed, per pound, 20c; 100 lbs., $15.00.

**SPRING VETCH** (*Vicia Sativa*). Used for soiling or fodder. Sow 100 lbs. to the acre when alone, or with wheat or oats about 60 lbs. Lb., 10c; 100 lbs., $5.00.

## SPRING WHEAT

Sow from 1¼ to 1¾ bushels per acre.

**BLUE STEM.** A distinct variety from all other Spring Wheats; green, has a beautiful blue bloom on it, similar to the bloom on a grape, and which can be removed by passing the finger over the stem. This bloom disappears as the wheat ripens and the stem and straw assume a beautiful golden-yellow hue, and entirely free from rust. This variety has no beards and is especially adapted to the older wheat-growing sections of the Northwest. The kernel is of the hard variety, similar to the Red Fife; very productive; one of the best Spring Wheats for milling. Lb., 10c; pk., 60c; bu., $1.90.

## WINTER WHEAT

In due season for fall sowing we shall be able to supply the leading varieties of Winter Wheat. When ready to buy, tell us kinds and quantity you require and we will name ruling price at that time.

## WILD RICE (Zizania Aquatica)

This plant thrives on the borders of lakes and ponds. Wherever it grows, wild ducks and geese discover it. The seed may be planted at any time when the water is free from ice. To insure germination the seed is kept in water in cold storage until required. We ship in lots of not less than 25 lbs. by express only. Packed in damp moss, so as to reach purchaser in good condition. 25 lbs. for $7.50. Write for price on larger quantities.

**NOTE. Don't hesitate to write** us if there is anything at all that you need for your farm or garden. We can procure for you almost anything that is listed by others, so that it is not necessary for you to go elsewhere just because you do not find the particular article listed in this catalogue. State your needs by letter and we shall endeavor to serve you.

**All prices on this page subject to market changes**

# Forage and Fodder Plants.

**Just as the human appetite craves a change in the daily rations, so does the farm stock enjoy with relish a change in their food, the result being an improved appetite and increase in growth. The forage plants offered on this page have all been tried and proven good. They are excellent either as green or dry feed.**

## Non-Saccharine Sorghums.

**Their cultivation is as simple as that of corn. They will grow on any land where corn will, even on land too poor for corn. All these varieties endure dry weather well.**

### Jerusalem Corn.

A sure cropper even in dry seasons. It grows about five ft. high; makes one large head on main stalk and several smaller heads on side shoots. The grains are white, flat, and much relished by chickens Three pounds will plant an acre. Post paid, lb. 20c; by freight or express, not prepaid. 10 lbs., $1.00; 50 lbs., $3.50; 100 lbs., $6.

### Milo Maize.

Will make a crop where corn would fail. Stalks reach eight to ten feet in height and yield a large amount of fodder. Produces large heavy heads of grain. Plant in three foot rows, leaving one or two plants every twelve inches in the row, and cultivate as corn. Three to five pounds per acre Postpaid, lb. 20c; by freight or express, not prepaid, 10 lbs., 75c; 50 lbs., $3.00; 100 lbs., $5.50.

***Prices of all articles quoted on this page are subject to change. The pound prices include postage; bushel and 100 pound prices are by freight or express at purchaser's expense.***

**FORAGE CROPS OTHER THAN GRASSES.**

How to Cultivate, Harvest and Use Them. By Thomas Shaw. Illustrated. 287 pages. Cloth, 12mo. $1.00, postpaid. Intensely practical. Each chapter is a comprehensive treatise, alone worth the price of the book.

## KAFFIR CORN. The Great Dry Weather Corn.

### Red or White Seeded.

This Non Saccharine Cane is one of the best of forage plants. It is the greatest grain producer of the Cane family, and is greedily eaten by all domestic animals, whether fed in the grain or ground and cooked. Valuable as a substitute for Buckwheat flour. For grain sow at the rate of 5 to 7 pounds per acre and cultivate same as corn; average yield 50 bushels per acre. For hay, sow in drills or broadcast at the rate of 50 to 75 lbs. per acre, and cut when seed is coming to dough stage; makes a very valuable hay, of good quality, and will yield from 3 to 10 tons per acre. Try a few acres and surprise your herd with plenty of feed. Postage paid, lb., 20c; by freight or express not prepaid, 10 lbs. for 40c; 25 lbs. for 75c; 100 lbs., $2.00; bags included.

## CANADA FIELD PEAS.

### Grown with Oats makes a fodder or hay which doubles the production of Milk.

They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about 4 inches deep; the oats then sowed and harrowed in. They will be ready for cutting about the latter end of June when the oats are in milk and the pods formed on the peas. Prices variable, but always as low as the market will permit. Peck, 65c; bu., $2.50.

## COW PEAS.

### Equal to Clover as a Soil Fertilizer.

Green crops plowed under are one of the cheapest methods of enriching the soil. Cow Peas are invaluable for the purpose **as well as providing a large amount of fodder.** They should be sown in May or June at the rate of 1½ bu. to the acre. The pods may be removed, dried, and the grain ground, and the plants plowed under. The stalks and leaves fed green make excellent fodder. Pint, 20c; qt., 35c, prepaid; pk., 85c; bu., $3.00, not prepaid.

## DWARF ESSEX RAPE.

### Best and Most Fattening Sheep Forage Known.

This forage is also used for pigs and dairy cows with success and profit. Under favorable circumstances it is ready for pasturage in **six weeks from the time of sowing.** One acre of good rape will carry a flock of a dozen sheep for two months. Rape requires the same cultural treatment as the turnip. **It is grown exclusively for its leaves.** Stock should be fed alternately on grass and rape; not on rape exclusively, Rape-fed animals should have free access to salt. The seed should be sown in May, for midsummer pasturage; or any time before the end of August (at the North) for autumn pasturage. Rape is a plant which loves cool weather, and thrives better in autumn than in midsummer. The seed should be used at the rate of 3 pounds per acre in drills, or 5 to 10 pounds per acre broadcast. Lb., 20c, postpaid. By express or freight, not prepaid, 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $6.00; bags included. Write for price in larger quantities.

**Turnips and Carrots for Stock.** We at all times carry ample stocks of these seeds. Pages 31 and 11.

**Prices herein quoted are all subject to changes of the market.**

# Flower Seed Department

IN THIS DEPARTMENT we catalog only those varieties and strains which from our long experience we know are of sterling worth. We do not handle seeds of poor or unknown germination, but supply our customers with seeds that are pure, fresh, and reliable. *In quality they are second to none and equal to any.* The botanical and common names are arranged in alphabetical order, and a very complete index will be found on page 96 immediately facing our order sheet in back of book.

Nature's favorite method of plant reproduction is by seeds; and in this way great numbers of plants can be produced at the least expense; also such plants, as a rule, are more vigorous and more free from any constitutional defects of vitality. Gardeners, therefore, prefer this method of raising plants whenever it is available, as it is in the case of most Annual, Biennial, and Perennial plants. A dollar's worth of seeds will produce more plants than $5.00 would buy.

We sell nearly every variety of seeds by the packet; some few are also sold by weight. Our packets are generously filled and contain more seeds in proportion to the ounce price than those put up by the majority of seedsmen. There is usually sufficient seed in a packet for at least two sowings.

**Brief Cultural Directions** are printed on the packets. By following them almost any person will have fair success in the culture of flowers. While some seeds need special treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth, and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds. Never allow the seedlings to suffer from drought.

Much of the disappointment and failure that attends the growing of flowers from seed may be avoided by carefully noting the class to which each flower plant belongs, and following the appropriate culture. Any extra labor or care given to flowers always redounds to the credit of the cultivator.

"To raise your flowers, various arts combine,
Study these well, and fancy's flight decline;
If you would have a vivid, vigorous breed
Of every kind, examine well the seed;
Learn to what elements your plants belong;
What is their constitution, weak or strong.
Be their physician, careful of their lives,
And see that every species daily thrives;
These love much air, these on much earth rely;
These, without constant warmth, decay and die.
Supply the wants of each and they will pay
For all your care through each succeeding day."

## Flowering Plants are Classed as Annuals, Biennials, and Perennials

**Annuals** are those which mature, bloom, and ripen seed the first year and then perish.

**Biennials** do not generally flower the first season, and are in perfection only the second year.

**Perennials** flower several years in succession. Many bloom the first year if sown early.

**Hardy Annuals,** Biennials, and Perennials can be sown in the open ground early in the spring if desired, and Biennials and Perennials will not require any protection in winter. The blooming period of all classes may be greatly extended by picking off the flowers as soon as they fade.

**Half-Hardy Annuals,** Biennials, and Perennials can not be sown in open ground until warm weather; they may be sown in the house, if desired, early, and afterwards transplanted. The latter two need to be protected in winter, or carried until spring in cold-frames or greenhouses.

In this list of flower seeds the following abbreviations are used to indicate the classification:

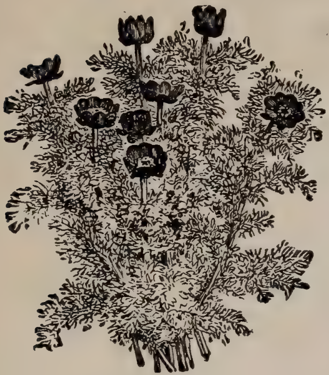
| | |
|---|---|
| **H. A.** | Hardy Annuals |
| **H. H. A.** | Half-Hardy Annuals |
| **T. A.** | Tender Annuals |
| **H. P.** | Hardy Perennials |
| **H. H. P.** | Half-Hardy Perennials |
| **H. B.** | Hardy Biennials |
| **H. H. B.** | Half-hardy Biennials |
| **H. C.** | Hardy Climber |
| **G. S.** | Greenhouse Shrub |

**USE ORDER SHEETS—It will be a great help to us in filling your order correctly and speedily if you make it out on our order sheet. If you wish to write us about anything not directly connected with your order, please use a separate sheet of paper. If you want more order sheets or envelopes, ask for them. Keep a copy of your order.**

# General List of Flower Seeds

EVERY year we revise the line of seeds we carry. All inferior sorts are then eliminated, while to our list we add those meritorious varieties which, by test, have proven themselves superior to older kinds. We now offer a very complete assortment of seeds of HIGHEST QUALITY—the **Best that Money Can Buy.** We sell nearly every variety by the packet; some popular sorts are offered by weight as well.

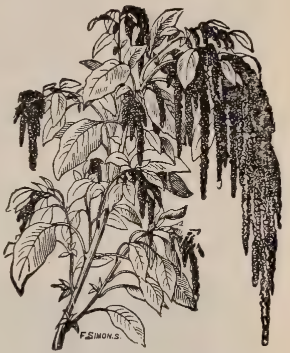
**All Flower Seeds will be sent prepaid at prices herein stated.**


ADONIS AESTIVALIS

## New Arrangement

Heretofore Novelties and Specialties have been printed on separate pages—usually in front of the book—and on that account frequently overlooked. In this catalog both novelties and standard varieties will be found under their general headings. The arrangement is, for the most part, alphabetical, the various plants being described by class, hardiness, height, color of flower, time of bloom, etc. This information we hope will be an aid to determine whether or not the flower under consideration meets your requirements or otherwise.

**Please Order Flower Seeds by Number** and save writing out difficult names.


AMARANTHUS CAUDATUS

| | | Pkt. |
|---|---|---|
| 2000 | **ABRONIA umbellata** (Sand Verbena). H. A. Trailing habit. Thrives in poor soil. Sow in open ground in May. Bears pink flowers in clusters all summer | 5 |
| 2001 | **ABUTILON.** Shrubby plants suitable for house, greenhouse, or garden. 4 ft. Bell-shaped flowers of various colors. Mixed | 10 |
| 2012 | **ACHILLEA** "The Pearl" (Yarrow). H. P. 1½ ft. Double white daisy-like flowers in summer and fall. | 10 |
| 2022 | **ACONITUM Napellus** (Monk's Hood). H. P. 4 ft. Helmet-shaped blue flowers. Does well in shade. | 5 |

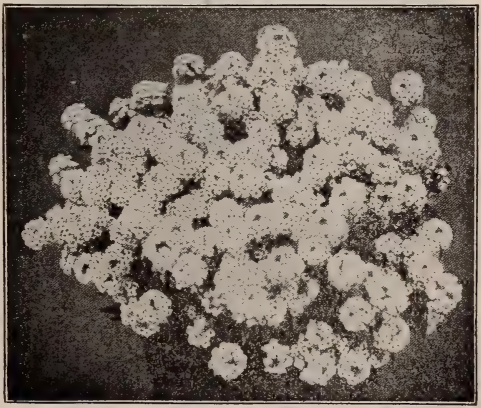
DWARF AGERATUM

## AGERATUM

Half-hardy annual. Grows well anywhere and blooms continually until destroyed by frost. Valuable for cut flowers. Tall sorts are effective grown with Alyssum, Candytuft, etc. Dwarf varieties are suitable for edgings.

| | | | Pkt. |
|---|---|---|---|
| 2023 | **Imperial Dwarf,** Blue, 9 inches | ¼ oz. 10c.. | 5 |
| 2025 | **Imperial Dwarf,** White, 9 inches | ¼ oz. 10c.. | 5 |
| 2033 | **Imperial Dwarf,** Mixed | ¼ oz. 10c.. | 5 |
| 2024 | **Blue Perfection,** 9 inches; very dark | | 5 |
| 2032 | **Little Blue Star,** 5 inches, bright blue | | 15 |
| 2038 | **Mexicanum,** 18 inches, blue | ¼ oz. 10c.. | 5 |
| 2039 | **Album,** 18 inches, white | ¼ oz. 10c.. | 5 |
| 2040 | **Mixed,** 18 inches | ¼ oz. 10c.. | 5 |

| | | Pkt. |
|---|---|---|
| 2007 | **ADLUMIA cirrhosa.** H. B. climber, 15 ft. Beautiful foliage, pink flowers in midsummer..........Pkt. | 5 |
| 2002 | **ADONIS æstivalis** (Flos Adonis). H. A. 1 ft. Dark-green foliage; scarlet flowers. June to August ........ 1 oz. 10c.. | 5 |
| 2017 | **AGATHEA cœlestis** (Blue Daisy). T. P. 1½ ft. Daisy-like flowers, blue with yellow disk. Valuable for winter blooming in the house | 5 |
| 2139 | **ALONSOA grandiflora** (Mask Flower). H. H. A. 2 ft. Easily grown; desirable for bedding and cut flowers; scarlet | 5 |


SWEET ALYSSUM

## ALYSSUM

Hardy annual of dwarf habit, blooming until killed by frost. Fine for beds, borders and vases. The snow-white flowers are fragrant and lasting. For edging to beds or borders, sow thickly to form masses. Cut flowers freely and others will take their places.

| | | | |
|---|---|---|---|
| 2084 | **Maritimum** (Sweet Alyssum). 1 ft. | 1 oz. 25c.. | 5 |
| 2085 | **Carpet of Snow.** Of trailing habit; 4 in. | ¼ oz. 20c.. | 5 |
| 2091 | **Little Gem.** Erect, distinct, 6 inches | ¼ oz. 15c.. | 5 |
| 2092 | **Little Dorrit.** A gem for edgings; 4 in. | ¼ oz. 20c.. | 10 |
| 2097 | **Saxatile compactum.** H. P. 1 ft. In spring each plant is a mass of golden yellow flowers | ¼ oz. 15c.. | 5 |

| | | | |
|---|---|---|---|
| 2045 | **AMARANTHUS caudatus** (Love-Lies-Bleeding). H. A. 3 ft. Useful to set out as a background to dwarf-growing plants. Brilliant foliage; dark-red, drooping flowers | ¼ oz. 10c.. | 5 |
| 2046 | **Tricolor** (Joseph's Coat). Foliage crimson yellow and bronze | ¼ oz. 10c.. | 5 |
| 2046a | **Fine Mixed.** Above and others | ¼ oz. 10c.. | 5 |

2098 **AMPELOPSIS Veitchii** (Boston Ivy). Pkt.
Rapid-growing, hardy vine. It adheres firmly to stone, brick, or wood, foliage turning very brilliant in the autumn..................½ oz. 15c.. 10

2145 **ANCHUSA Italica.** H. P. 4 ft. Blue star-shaped flowers from May until August. Desirable for borders, also for cut flowers...................... 10

2100 **ANEMONE** (Windflower). H. P. 9 inches. Poppy-like flowers in spring. Fine for bouquets. The colors are brilliant and showy. Mixed.......... 5

2146 **ARCTOTIS Grandis.** H. H. A. 2 ft. Bushy, branching plant with daisy-like flowers; white with light-blue center. Valuable for cutting from July until frost .......................................... 5

## ANTIRRHINUM (Snapdragon)

H. H. P. 1½ to 2 ft. Dark, glossy leaves, and curiously shaped, showy colored flowers with spotted throats. Our list embraces the best of the giant-flowered, improved strains. Though perennial, Snapdragons blossom the first year, if seed is sown early. Slightly covered with leaves, they withstand our winters. Succeed best in rather light soil.

SNAPDRAGON "VENUS"

### TALL, GIANT=FLOWERED SORTS (3 feet)

The following five varieties have very large individual flowers borne upon long spikes.

Pkt.

2070 **Majus grandiflorus, fl. pl.** Perfectly double pure-white flowers of very curious form.............. 20

2078 **The Bride.** White, changing to rose.............. 20

2069 **Venus.** Pink shade on white ground.............. 20

2069a **Purple King.** Intense deep purple................ 20

2048 **Queen Victoria.** White, fine foliage.............. 5

We offer below six distinct colors, also mixtures of the Giant strain—a great improvement over the old tall-growing sorts.

2051 Light Pink.......... 5
2056 White .............. 5
2057 Carmine ........... 5
2058 Coral Red.......... 5
2068 Deep Rose......... 5
2083 Yellow ............ 5

2049 **Giant=Flowered Mixed**...............¼ oz., 20c.. 5

2050 **Tall Sorts Mixed**.....................¼ oz., 15c.. 5

### DWARF VARIETIES (12 to 18 inches)

This class, owing to their dwarf and compact habit of growth, are well adapted for bedding out.

2047 **Queen of the North.** White....................... 5

2071 White ............. 5
2076 Carmine ........... 5
2077 Pink Empress...... 5
2080 Deep Rose......... 5
2079 Black Prince....... 5
2081 Yellow ............ 5

2082 Mixed Dwarf Sorts..................¼ oz., 15c.. 5

ARTEMISIA SACCORUM VIRIDIS

2156 **ARTEMESIA** *sacrorum viridis*—**"Summer Fir."**

A new ornamental foliage plant of recent introduction from China, a rapid grower, attaining its full growth during the first season, forming pyramidal bushes from three to five feet high, the individual plants reminding one of small Christmas trees.

It may be grown as a pot plant for groups and borders, and also as an annual hedge in the same manner as the Summer Cypress, Kochia tricophylla; the foliage being a rich dark green and finely pinnated.

Plants which are cultivated in the open garden may be potted in the fall and cared for indoors to great advantage; while the branches may be cut and used for decorative purposes, keeping well for quite a long time. Pkt., 15c.

## AQUILEGIA (Columbine)

H. P., 2 to 3 ft. Well-known and favorite plants for the garden border; especially suitable for shady places. Are easily grown, soon form large clumps, and bloom from May until August. Our list has been greatly extended and now includes many beautiful long-spurred hybrids; also the fine Rocky Mountain Columbine and its hybrids. All Aquilegias are desirable for herbaceous borders. They require moist soil.

2136 **Canadensis.** Scarlet and yellow; native............ 5

2102 **Chrysantha.** Long-spurred, yellow, single......... 5

2107 **Chrysantha.** Double, yellow, gold-spurred......... 5

2112 **Coerulea** (Rocky Mountain Columbine). Sepals deep blue, petals white................................ 10

2123 **Coerulea Candidissima.** A large, fine form of above with white flowers.............................. 25

2138 **Coerulea Hybrida.** These hybrids bear large, beautiful flowers in various colors........................ 10

2133 **Double Blue**........................................ 5

2134 **Double White**...... 5 2137 **Double Red**...... 5

2126 **Double Mixed**.........................¼ oz., 15c.. 5

2127 **Grandiflora alba.** Half dwarf, white; long-spurred. 5

2124 **Nivea grandiflora.** Large, white.................. 5

2125 **Vulgaris.** Single, mixed..............¼ oz., 15c.. 5

## Ornamental Asparagus

2162 **Plumosa Nanus** (Lace Fern). One of the most popular house plants; easily grown from seed. Graceful, spreading sprays of feathery-like, upright leaves. Pkt., 15c.

2161 **Sprengeri** (Emerald Feather). Of trailing habit, suitable for pots and hanging baskets. Dark-green foliage, white flowers followed by red berries. Pkt., 10c.

# ASTERS

It is unnecessary to dwell on the great beauty of these popular favorites, as they are appreciated by every one. Asters are annuals, and they are sufficiently hardy to endure a little frost without injury.

We recommend sowing seed of a number of varieties, as by this method of culture the blooming season can be made to extend from June until late in the autumn.

For best results Asters should have good rich soil and plenty of moisture. The seed may be sown indoors early and plants set out in May, yet seeds sown in the open ground produce excellent results. The location of the bed should be changed every year. As the roots are produced near the surface, a mulch of some kind spread over them in hot weather is very beneficial. Any extra care is repaid by finer plants, larger blooms, stronger stems, and more profuse blooming.

## Selected Named Asters

For several years we have been making trials at our nursery of the many classes and strains of Asters now in cultivation. We believe the list which follows contains the most desirable sorts now in cultivation. The seed we send out was grown by experienced specialists, both American and European.

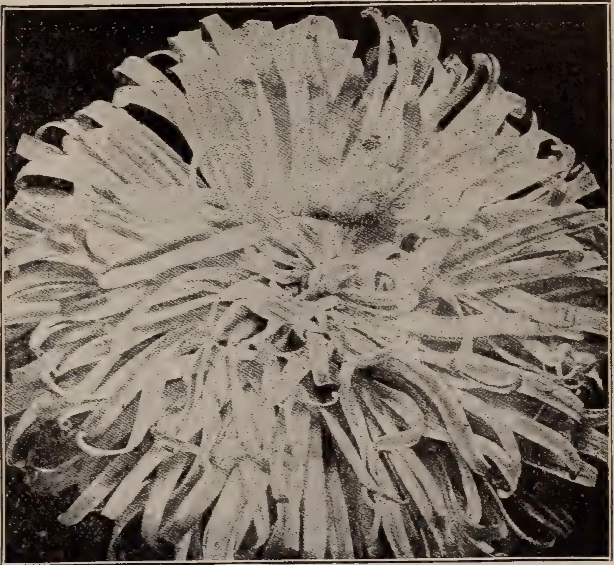
2382 **CACTUS.** This Aster is very distinct. The petals of the carmine flowers are bent or twisted near the tip. The cut flowers are not only pleasing but lasting............Pkt. 25

2213 **CARDINAL.** In growth resembling the Branching Aster, but a little more dwarf; in color a beautiful shade of cardinal. Commences to bloom in August, retaining the beautiful color for many weeks .......................................... 10

2242 **CRIMSON GIANT.** A splendid upright-growing sort, producing very large, well-formed, dark-crimson flowers. Its brilliancy of color and erect habit makes it desirable for garden culture............ 10

2244 **DAYBREAK.** The flowers are round as a ball, very large and full, on long stems; the color a lovely sea-shell pink. The plant flowers very early, and is a continuous free bloomer, a strong, compact grower .......................................... 10

ASTER, CRIMSON GIANT



ASTER, HERCULES

Pkt.

2383 **HERCULES.** The plants throw up strong stems 15 to 20 inches high, which branch about 4 inches from the ground, bearing at their summit many central flowers, while on the side shoots appear four to six secondary blooms. The flowers are of the purest white, with very long petals, and attain the enormous diameter of 6 to 7 inches.......... 10

2238 **LAVENDER GEM.** An early branching sort of the Comet type, with large, double, wavy petaled flowers of an exquisite shade of lavender so much admired .......................................... 10

2227 **LEMON DROP.** A decided yellow, and as good a grower as any of the other varieties of the Daybreak class. The flowers are not quite so large as those of Purity, its parent, but are more perfect and symmetrical in form.......................... 15

2339 **MAUVE QUEEN.** An Aster of the Comet type. Very large flowers of mauve color. They are similar in form to Hercules, illustrated above. 10

**MIKADO.** A grand midsummer Aster. The outer petals show to their full extent, while toward the center they curl across each other, making a large, full, fluffy flower.

2232 **Pink.** 2237 **White.** Each........ 15

2243 **PURITY.** Similar in form and habit of growth to Daybreak. Double pure white flowers..... 10

2240 **ROSY MORN.** Large, well-formed flowers of a handsome shade of rose. Very double; one of the best of the Daybreak group............... 10

2220 **ROYAL PURPLE.** Large flowers with full centers and of a rich shade of royal purple. Plants of branching habit and medium to late flowering 10

2241 **ROYAL STRIPE.** Of Giant Comet type. Large flowers on long stems. A broad band of violet blue runs the entire length of each petal.... 10

2239 **SALMON KING.** Color is novel and pleasing shade, bright enough to be conspicuous...... 15

2221 **SNOWDRIFT.** One of the earliest, with immense perfectly double snow-white flowers........... 10

2226 **VIOLET KING.** The peer of the grandest Chrysanthemum. This handsome Aster must be seen to be appreciated. Of branching habit, the flowers are borne on long stiff stems. The flower petals resemble the quilled varieties, but are much larger and broader. The bloom is round, full and very large, measuring from 4 to 5 inches in diameter. The color is a soft violet-lilac .................................. 10

**Asters continued on following page.**

# ASTERS—Selected, Standard Varieties

## CARLSON, or Invincible

A superior type or branching Aster with long-stemmed, peony-formed flowers of handsome form, large size, and fine substance. Wonderfully prolific, free from disease; in bloom from summer until frost. **Our seed is from the originator, and has no superior in quality.**

2344 **White**
2350 **Light Pink**
2352 **Daybreak Pink**
2349 **Rose Pink**
2362 **Violet Blue**
2351 **Lavender**
2363 **Mixed**
**Each, per pkt., 10c**

## COMET

A beautiful and distinct class with long curled and twisted petals gracefully formed in loose yet densely double globes. 18 inches.

2265 **Dark Blue**
2260 **Light Pink**
2063 **Deep Rose**
2262 **Pink and White**

2195 **Empress Frederick** Pure white, fine. Pkt., 10c.

2273 **Lavender**
2264 **Light Blue**
2278 **Comet, mixed**
**Each, per pkt., 5c**

## Giant Comet

The flowers are very large, with strong broad petals. Height, 2 feet.

2255 **Carmine**
2268 **White and Rose**
2267 **Snow White**
2272 **White,** striped pink
2266 **Giant,** mixed
**Each, per pkt., 5c**

2378 **Triumph of Paris.** Outer petals pure white, center yellow. Pkt., 10c.

ASTER, CREGO

## CREGO

The form of the flower is similar to that of the Comet class, but much larger. They are fluffy and graceful. In bloom from mid August until fall. This Aster is a universal favorite both with florists and private gardeners. **Each, per pkt., 10c.**

2372 **Light Pink**
2375 **Mixed**
2374 **Dark Pink**
2371 **White**
2373 **Purple**

## HOHENZOLLERN

An early fall Aster with enormous flowers. The plants grow 2 feet tall or more and branch freely. The flowers are so large and have such long, twisted petals that they are sometimes mistaken for Chrysanthemums.

2386 **Light Pink**
2384 **Light Blue**
2385 **Rose**
2387 **Lavender**
2388 **Dark Blue**
2389 **White**
2390 **Mixed**
**Each, per pkt., 10c**

## Mixtures of Asters

Made of the best varieties suitable for cut flower purposes, principally of white, pink, and the brightest red, together with a small proportion of blue and purple.

2376 **Asters, tall varieties mixed**..................Pkt. 5
2377 **Asters, dwarf varieties mixed**..................." 5

## Queen of the Market

Excepting Snowdrift, this is **earlier** than other Asters, and therefore a favorite. Beautiful flowers of large size and fine appearance, borne on stiff stems. **Each, per pkt., 5c.**

2364 **White**
2365 **Pink**
2366 **Crimson**
2367 **Purple**
2368 **Light Blue**
2369 **Lavender**

2370 **Mixed Queen of the Market**............¼ oz., 30c

## Semple's Late-Flowering Branching

The form of the flowers, which are borne upon long stems, places this class of Asters as among the very best late-blooming varieties. Height, 2 feet. **Each, per pkt., 5c.**

2307 **White**
2308 **Light Pink**
2309 **Lavender**
2326 **Mixed**
2314 **Crimson**
2319 **Purple**
2320 **Rose**
2325 **Light Blue**

## Peony-Flowered Perfection

Flowers are in-curved like those of a Peony, and are handsome in form. August and September. **Each, pkt., 5c.**

2196 **Pure White**
2197 **Rose**
2198 **Blood Red**
2199 **Light Blue**
2200 **Dark Blue**
2201 **Crimson**
2202 **Sky Blue**
2203 **Mixed**

2206 **Imported Collection,** six distinct colors............25c

## Upright Branching

In several respects these differ from any other Asters. The plants grow about 20 inches high and produce from 20 to 25 flowers, which are borne upon long, strong stems. The upright habit of growth permits of close planting, a decided advantage. **Each, per pkt., 5c.**

2391 **White**
2396 **Rose**
2397 **Carmine**
2398 **Purple**
2399 **Lavender**
2400 **Mixed**

## Vick's Branching

They bloom in August and September. The flowers are of extraordinary size,—much larger than other varieties,—and stand erect on long, graceful stems, well above the foliage; flower stems 15 to 20 inches long.

2207 **White**
2208 **Pink**
2209 **Purple**
2211 **Crimson**
2212 **Rose**
2210 **Lavender**
2214 **Mixed Colors**
**Each, per pkt., 10c**

## Improved Victoria

A magnificent class of Asters, having large, double, globe-shaped flowers 4 inches across and from 20 to 30 on a single plant. The colors are both delicate and handsome. Height, 18 to 24 inches. **Each, per pkt., 10c.**

2172 **White**
2173 **Rose**
2174 **Carmine**
2179 **Light Blue**
2180 **Dark Blue**
2185 **Lavender**
2190 **Crimson**
2191 **Apple Blossom**
2192 **Mixed**

2193 **Imported Collection,** six distinct colors............25c

## Other Varieties of Asters

2380 **DWARF CHRYSANTHEMUM.** Mixed............ 5

**DWARF BOUQUET.** Useful to form edgings to flower beds.

2290 **White**
2291 **Crimson**
2292 **Pink**
2297 **Dark Blue**
2298 **Mixed**
**Each, per pkt., 5c**

**DWARF QUEEN.** For pots and beds. Height, 10 inches. 2279 **White.** 2280 **Crimson.** 2285 **Mixed.** Each, pkt., 5c.

2194 **JAPAN.** Flesh-colored needle-like florets.......... 5

**OSTRICH FEATHER.** A very beautiful and distinct class with long curled and twisted petals formed into large globe-shaped flowers. 2328 **Pink.** 2333 **White.** 2334 **Mixed.** Each, per pkt., 5c.

**SNOWBALL, or White Princess.** Flower bears a resemblance to a miniature Dahlia. 2300 **White.** Pkt., 5c.

2327 **SUNLIGHT.** "The nearest approach to a yellow Aster." Height, about 18 inches. Pkt., 5c.

2301 **TRIUMPH.** A very beautiful dwarf scarlet Aster. A companion for Snowball. Pkt., 5c.

2167 **AUSTRALIAN STAR FLOWER.** H. A. 1 ft. Everlasting. The fragrant flowers are pink in color, sometimes varying to nearly white. The cut flowers retain their form and color permanently.... 10

**BACHELOR'S BUTTON.** (See Centaurea.)

2404 **BALLOON VINE.** T. A. 10 ft. A rapid-growing annual climber, with white flowers and inflated seed pods which look like small balloons. Succeeds best in warm soil........................ 5

### BALSAM APPLE AND PEAR

Ornamental climbers, with pretty foliage and flowers, followed by handsome fruit, which, when ripe, bursts open, exposing the bright red seeds within. 10 ft. H. A.

3337 **Balsamina.** Balsam Apple......................... 5
3338 **Charantia.** Balsam Pear.......................... 5

BALSAM, "ALBA PERFECTA"

## BALSAM (Lady Slipper)

H. H. A. 2 ft. Balsams love rich soil, hot sun, and plenty of water. Sow the seed in window boxes or hotbeds early, or in the open air in May, and transplant when two or three inches in height. Stimulate by weekly applications of manure water.

### Double Camelia-Flowered Balsams

The delicate flowers of waxy texture are borne along the stems among the leaves. The seed we offer can not be excelled for quality. *We offer only the finest double sorts.* **In separate colors or mixed. Pkt., 5c.**

2410 **Scarlet.** 2415 **Crimson.** 2426 **Yellow.** 2427 **White.**
2428 **Solferino,** white, with scarlet spots and stripes.
2429 **Mixed.** 2425 **Pink.**
2430 **Alba Perfecta.** Extremely large white flowers.
2431 **Carnation Striped.** White, striped with purple or scarlet, like a Carnation. Very showy.......... 5
2432 **Double Balsam, Mixed.** A very good strain...... 5
2433 **Double Balsam.** Rose flowered, mixed............ 5

2405 **BARTONIA aurea.** H. H. 18 inches. Flowers bright golden yellow, of metallic luster; seed pods curiously twisted. Adapted for partial shade and moist locations.................................. 5

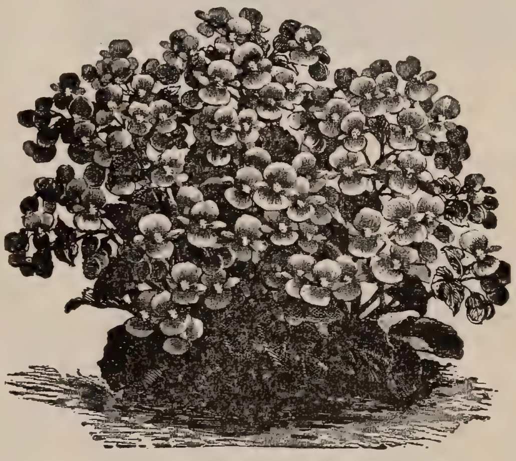
**RUNNER BEAN.** Climber. H. A. 8 ft.

2493 **Butterfly Bean.** Will grow in any soil. In bloom from July to September. The flowers are distinguished by pure white wings and scarlet standard. 5
3860 **Scarlet Runner.** An exceedingly rapid grower. Its strong vines are always clothed with deep scarlet flowers from early summer until fall............ 5

## BEGONIAS, Tuberous Rooted

Of great value for summer decorating or window gardening, blooming the first season from seed, if sown in January or March in a temperature of 60 degrees. To secure the best results they should be planted in a partially shaded place.

2434 **Single Tuberous Begonias**........................ 25
2439 **Double Tuberous Begonias**........................ 25
2460 **Frilled Tuberous Begonias**....................... 25



BEGONIA GRACILIS, PRIMA DONNA

### EVER-BLOOMING BEDDING BEGONIAS

The following varieties make splendid bedding plants. Start the seed early, in the house, and set out the plants in June. They are of sturdy growth, about a foot high. Desirable for pot plants in the window in winter.

2444 **Semperflorens alba.** White...................... 10
2461 **Erfordia.** Delicate rose.......................... 10
2445 **Gracilis Luminosa.** Satiny bronzy foliage. Bright scarlet flowers.................................. 25
2446 **Rex.** Ornamental leaved.......................... 10
2447 **Prima Donna.** Rose-colored flowers. A fine pot plant (see cut)................................ 20
2448 **Vernon.** Orange-scarlet flowers; leaves dark green.. 10
2449 **Dwarf Vernon.** Fine bedder...................... 15
2455 **Mignon.** Dwarf; scarlet flowers, green foliage..... 25

## BELLIS PERENNIS fl. pl. (English Daisy)

H. P. 4 inches. Will stand the winter if given the protection of a few leaves or litter; in bloom from early spring until well on in the summer. Easily raised from seed; usually sown in July or August, but can be sown in spring, and for best results should be sown each year.

2806 **Longfellow.** Double pink......................... 5
2809 **Snowball.** Double white.......................... 5
2810 **Double Mixed.** All colors........................ 5
2811 **Giant White**...... 10 2812 **Giant Mixed**...... 10

### BELLIS MONSTROSA

Each plant produces 12 to 15 flowers that measure two or three inches across, carried on long strong stems.

2807 **Monstrosa.** Pink................................. 20
2808 **Monstrosa.** White................................ 20

DOUBLE CANTERBURY BELLS

2479 **BRACHYCOME iberidfolia.** Dwarf annuals which bloom nearly all summer. Suitable for baskets and edgings. Mixed colors.. 5

**BROWALLIA.** H. A. Excellent for bedding, Verbena-like flowers. In bloom all summer in the open, also excellent house plants for winter use. 18 inches.

2478 **Finest Mixed**.................................. 5

2473 **Speciosa major.** Indigo blue.............. 10

**BOLTONIA.** H. P. 6 ft. Fall plants for the hardy border. Large flower heads like single Asters.

2467 **Asteroides.** Flesh color.................... 25

2468 **Latisquama.** White flowers in Sept. and Oct. 15

2494 **CACALIA coccinea** (Tassel Flower). H. A. 18 inches. Showy trusses of bright scarlet tassel-like flowers, blooming profusely from July to October.......................... 5

2499 **CALANDRINIA speciosa.** H. A. Very pretty dwarf-growing plants, with portulaca-like flowers, thriving best in a light, dry soil. Seed should be sown in gentle heat about March or in the open about the middle of May.................................. 5

## CALCEOLARIA (Pocket Flower)

Plants suitable for greenhouse and window culture. Bear large pocket-shaped flowers in spring and summer. Colors: Yellow, maroon, crimson, etc. G. P.

2504 **Large Flowering.** Height, 18 inches....... 25

2505 **Nana.** Dwarf, 12 inches...................... 25

## CALENDULA (Pot Marigold)

H. A. 2 ft. Calendulas bloom all summer and thrive anywhere, especially in city gardens. The graceful star-shaped flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems.

2507 **Meteor.** Large yellow flowers, striped with orange. Handsome........................ 5

2508 **Prince of Orange.** Like "Meteor," but much darker in color........................... 5

2509 **Mixed.** All the double sorts................ 5

## CALLIOPSIS or Coreopsis

Showy, beautiful, free-blooming plants, producing large bright flowers of rich and charming colors throughout the entire summer. Mainly hardy annuals. 1 to 2 feet.

2538 **Coreopsis.** Best mixed...........Oz., 15.. 5

2526 **Drummondi.** Flowers large, rich golden yellow with crimson-brown center............ 5

2527 **Lanceolata.** Hardy perennial. Blooms June to autumn. Rich golden yellow; fine for cutting .................................... 5

2541 **CANARY BIRD VINE.** H. A. Grows to a height of 15 feet. Has beautiful foliage and yellow flowers........................ 5

## CAMPANULA (Bell Flower)

One of the best hardy perennials. The tall varieties are splendid for cutting, while the dwarf sorts are useful in borders.

2584 **Persicifolia alba.** White, 2 ft.......................... 10

2589 **Persicifolia coerulea.** Blue, 2 ft......................... 10

2574 **Pyramidalis** (Chimney Bellflower). 6 ft. Blooms in late summer; tall, erect stems, beautiful blue flowers........ 5

2579 **Pyramidalis alba.** White, 6 ft.......................... 5

### CANTERBURY BELLS (Campanula Medium)

These will bloom the first year from seed if sown early.

| SINGLE | Pkt. | DOUBLE | Pkt. |
|---|---|---|---|
| 2544 **Blue,** fine shade....... | 5 | 2555 **Blue,** fine shade....... | 5 |
| 2545 **White,** pure........... | 5 | 2560 **White,** pure........... | 5 |
| 2549 **Rosea.** Rose pink..... | 5 | 2561 **Rosea.** Rose pink..... | 5 |
| 2550 **Single mixed**.......... | 5 | 2562 **Double mixed**......... | 5 |

### "CUP AND SAUCER" CANTERBURY BELLS

The flowers differ from the ordinary type in having an extra large calyx of the same color of the flower, giving the appearance of a cup and saucer. In bloom for weeks during early summer.

| | | | |
|---|---|---|---|
| 2567 **Calycanthema, blue**.... | 5 | 2569 ———. Rose .......... | 5 |
| 2568 ———. White......... | 5 | 2570 ———. Mixed ........ | 5 |

## CANDYTUFT

A dwarf annual of easiest culture; free-blooming, showy, and useful for beds, borders, and edgings. Sow seeds where plants are to bloom, in rows 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height, 1 foot.

2510 **Carmine.** Glowing carmine rose......................... 5

2511 **Crimson.** Rich, dark crimson............................ 5

2512 **White Rocket.** Long white flower spikes................ 5

2513 **Empress.** White, large flowers.......................... 5

2514 **Purple.** A beautiful shade of lilac..................... 5

2515 **Queen of Italy.** Dwarf; erect, pink..................... 5

2516 **Little Prince.** Large heads; pure white................ 5

2517 **Gibraltarica.** Blush white. H. P........................ 10

2518 **Hyacinth-Flowered.** White, 2 ft.......................... 5

2522 **White Tom Thumb.** Grows 6 inches high................ 5

2523 **Annual Sorts** of Candytuft, mixed............ounce, 25c.. 5

2524 **Sempervirens.** Survives winter out-of-doors. Its fine white flowers are produced early in spring. H. P............. 5

## CANNAS (Indian Shot)

These very attractive summer bedding plants can be grown readily from seed. The seed is extremely hard and should be soaked in warm water until swollen. Sow singly in small pots of sandy soil and set in a warm place, preferably a hotbed or sunny window. Set out in June where they are to flower.

2542 **Large-Flowering French.** All colors and shades........ 5

2543 **Cannas—American seed.** Tall and dwarf mixed........ 5

GIANT HYACINTH-FLOWERED CANDYTUFT

## MARGARET CARNATIONS

Although half-hardy perennials, they begin flowering in a few weeks from time of sowing. They are especially adapted for outdoor culture. Large, beautifully fringed, fragrant flowers, white, crimson, striped, etc.

2611 **Margaret,** mixed. Pkt., 5c. 2609 **Scarlet,** 5c. 2610 **Pink,** 5c.

2604 **Margaret, White.** Fine double flowers.................... 5

2612 **Giant Margaret.** Immense double flowers................ 10

2618 **Barnard's Carnation Mixture.** Contains seeds of all Carnations which *bloom the first season* after sowing...... 10

## PERPETUAL CARNATIONS

These bloom from seed the second year after sowing, and produce their large, handsome flowers indefinitely. Height, 1 to 2 feet.

2613 **Chabaud's Giant Perpetual.** Colors the same as Margaret. Blooms in five months after sowing.................... 10

2614 **Guillaud.** Yellow, and yellow-striped flowers............ 10

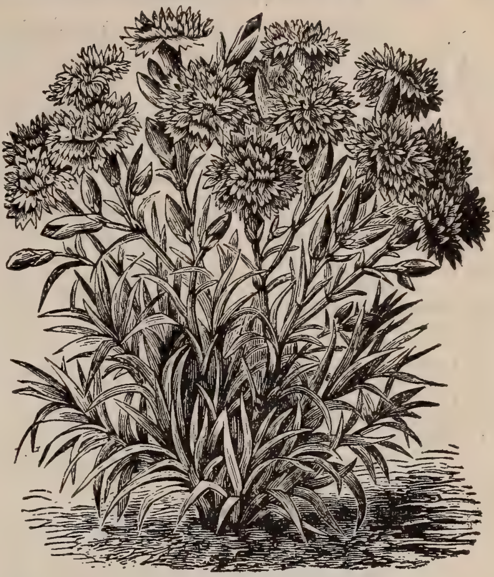
### BORDER CARNATIONS. Fine for cut flowers.

2615 **Red Grenadine.** 2616 **White**.......................... 5

2617 **Early Dwarf Vienna.** Double white..................... 5

2623 **Fine Double Mixed.** Very choice........................ 10

2167 **CEPHALIPTERUM Drummondi** (Australian Star Flower). H. A. 1 ft. Graceful, free-flowering, petunia-like flowers, scarlet and white; everlasting.......................... 10



MARGARET CARNATION

CELOSIA, "CASTLE GOULD"

## CELOSIA PLUMOSA (Plumed Cockscomb)

Branching plants 3½ feet high, bearing large, conical, plumed heads of either golden yellow, fiery scarlet, purple, salmon, blood-red, etc. Good for cut flowers. Annuals, growing easily and quickly from seed.

2633 **Pride of Castle Gould.** This forms pyramidal, branching plants, bearing large, conical, plumed heads in various colors. Mixed.................. 50

2655 **Triumph.** Bronzy foliage, crimson plumes. We have an improved strain that is desirable to sow for pot plants.................................. 5

2653 **Ostrich Feather.** Grows in pyramid form. Its flower sprays resemble plumes. They are orange and scarlet in color. Mixed.................. 5

2656 **Thompsoni Magnifica.** An exceptionally fine strain both for bedding and cut flowers. The colors vary, running from light yellow to dark blood-red.... 5

2641 **Ostrich Feather.** Yellow........................ 5

**For Cockscomb see next column.**

## CELOSIA CRISTATA (Cockscomb)

H. H. A. 1 foot. Of easy culture. Thrive in light soil. Fine border plants, in bloom from midsummer until frost. When grown as large specimens they are of unrivalled beauty. For filling flower beds and borders these plants are now largely used during summer in city parks.

2652 **All=a=Glow.** Dwarf; with immense ruffled combs.. 10

2651 **Pres. Thiers.** Dark Leaves, crimson combs........ 5

2657 **Glasgow Prize.** Very large crimson combs........ 10

2634 **Tall Cockscomb,** mixed.......................... 5

2635 **Dwarf Cockscomb,** mixed........................ 5

## CENTAUREA

Hardy annuals, known under various popular names. The class includes Cornflowers, Sweet Sultans, etc. The cut flowers are favorites with every one, always meeting with ready sale.

## CORNFLOWER (Centaurea Cyanus)

One of the most popular of our garden annuals, blooming continually all Summer. Seed may be sown either in spring or autumn. Thrives well in poor soil; for best results plants should be thinned out to 8 inches apart.

2671 **Cyanus.** Finest mixed, 2 ft........................ 5

2666 **Cyanus.** Double, mixed.......................... 5

2663 **Double Blue.** Fine.............................. 5

2672 **Emperor William.** Dark blue, 18 inches.......... 5

2673 **Victoria.** Azure blue. 9 inches. Fine for pots.. 5

## SWEET SULTAN (C. Imperialis)

Very showy, fragrant flowers; excellent for cutting.

2682 **Imperialis,** mixed colors.......................... 5

2680 **White.** 2681 **Lavender**.......................... 5

2679 **Suaveolens.** Bright yellow; sweet scented........ 5

2662 **Odorata.** Purple, fragrant flowers................ 5

2664 **Chameleon.** Yellow and rose, superb.............. 5

2665 **Margaritae.** Very large flowers of purest white, borne on long stems. A grand cut flower........ 5

2674 **Americana.** A native variety. Bears fluffy, thistle-like blooms of purplish color. A fine border plant. In bloom from June to September................ 5

2695 **Macrocephela.** This is a perennial sort. Height, 3 ft. Flowers bright yellow, large, and showy. Thrives best in sandy soil.......................... 5

### SILVER=LEAVED CENTAUREAS OR "DUSTY MILLERS"

These are planted for bedding or borders, not for flowers.

2693 **Candidissima.** Silver gray foliage, 1½ feet........ 5

2694 **Gymnocarpa.** Leaves silvery white. 1 foot........ 5

## CHRYSANTHEMUMS

A beautiful family of plants of varied character. Annuals and Perennials. The flowers of all are greatly prized for cutting.

The Annual varieties bloom profusely from early summer until frost, and their bright colors make a fine display. A little pinching back while plants are young will result in bushy and stocky growth up to 12 to 18 inches in height. Do not confound these Annual Sorts with the great globular flowers of the Japanese varieties with quilled and twisted petals.

2697 **Single, Mixed.** H. A. Because of their bright-colored flowers, the name of Painted Daisies is sometimes applied to them........ 5

2698 **Double, Mixed.** H. A. There is a wide range in the colors—from nearly white to rich deep orange........ 5

2700 **Frutescens** (Marguerite, or Paris Daisy). G. P. Long-stemmed single white flowers with golden centers; fine for cutting........ 5

2702 **Inodorum** (Bridal Robe). H. P. Pure white, extra double, compact, fine foliage; splendid for cutting........ 10

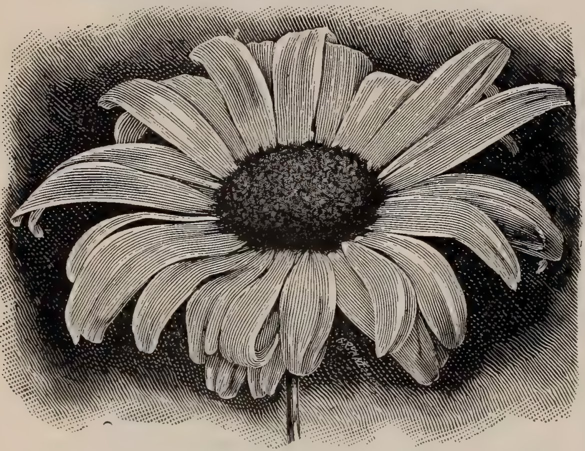
2307 **Leucantheum** (Spring Marguerite)........ 5

2701 **Maximum Perfection.** Snow-white flowers with yellow centers 5

2813 **Shasta.** Of bushy growth, bearing all summer a profusion of immense white flowers on long stems. Seed saved by Mr. Burbank from named flowers........ 15

2814 **Shasta.** As ordinarily sold; good strain........ 10

2699 **Japonicum Fl. Pl.** This is the seed which produces the large, beautiful flowers with quilled and twisted petals, as sold by florists in fall........ 25



BURBANK'S SHASTA DAISY

## CINERARIA

G. P. Beautiful plants for decoration of window garden or conservatory in spring. Readily and easily grown from seed. Sow in July in boxes and transplant into small pots, changing them into larger size when required. See cut in next column.

2705 **Grandiflora.** A prize strain which brings flowers of various combinations, red and white, blue and white, etc. Mixed........ 25

2706 **Nana.** Of dwarf, compact habit........ 25

2707 **Maritima.** Desirable for edgings; silvery foliage.. 5

2708 **Stellata** (Star Cineraria). Tall growing. Flowers are same colors as ordinary Cinerarias. Fine decorative plant and good for cutting........ 25

2709 **Radiata.** Miniature sort, growing about 8 inches high with large heads of tiny flowers in various colors. Mixed........ 15

2710 **Matador.** Fine scarlet-flowered sort........ 5

**CLARKIA.** H. A. 18 inches. A bed of Clarkias will prove a joy all summer. Colors range from white to purple........ 5

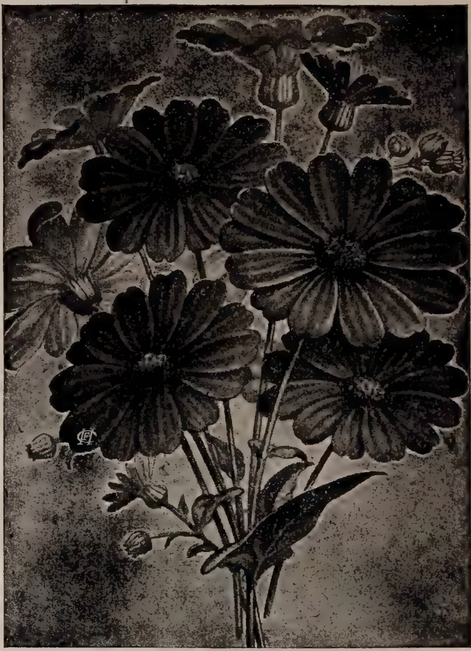
2712 **Single Mixed**...... 5 2713 **Double Mixed**...... 5

**CLEMATIS** (Virgin's Bower). H. P. Rapid climber

2714 **Paniculata.** White, star-like flowers. In bloom latter part of summer........ 10

2715 **Large-Flowering.** Hybrids of Jackmani and others in mixture........ 25

2716 **CLIANTHUS Dampieri** (Glory Pea). G. A. Pea-shaped scarlet flowers. Soak seeds in hot water before sowing........ 25



CINERARIA MATADOR

**COBÆA scandens.** H. P. Rapid growing climber with vigorous vines and foliage, and handsome, bell-shaped flowers.

2717 **Purple**..........5 2718 **White**........ 5

**COLEUS.** H. H. P. 1 foot. Foliage plants. Easy to raise from seed. Sow indoors in March.

2719 **Choice Mixed**....5 2720 **Variegated Hybrids**.... 5

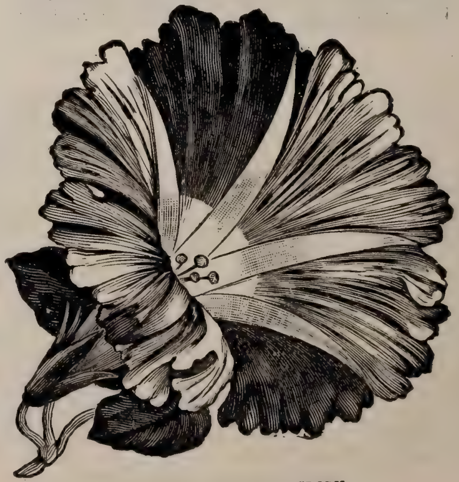
## CONVOLVULUS (Morning Glory)

2755 **Major** (Tall Growing Morning Glory). Thrives anywhere. Showy flowers in a variety of colors. Sow where plants are to bloom. Mixed. Oz., 15c........ 5

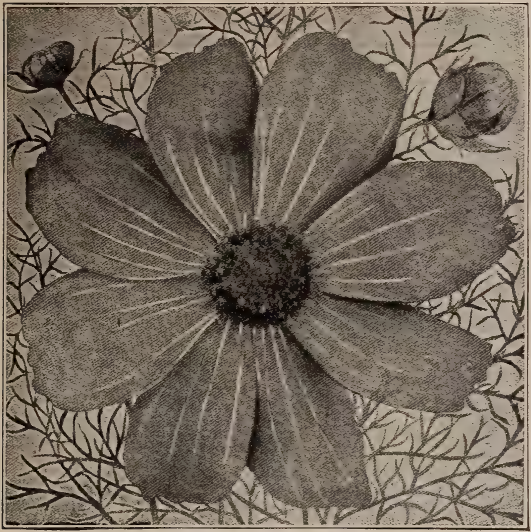
2765 **Minor.** Dwarf growing; desirable for bedding as the flowers remain open nearly all day. Mixed. Oz., 15c........ 5

2754 **Imperialis Japonica.** The flowers are of great size, some of them beautifully fringed, and of lovely varied colors. Mixed. ........Oz., 15c.. 5

2753 **Imperialis fimbriata.** Fringed. Mixed........ 5



JAPANESE MORNING GLORY



COSMOS, LADY LENOX

**COSMOS** H. H. A., 4 to 6 ft. One of the most beautiful and useful autumn-flowering plants. Cosmos is most effective when planted in broad masses or along background borders against evergreens or fences. The plants have strong stems and delicate feathery foliage. The pretty flowers, produced from September until fall are of shades of rose, red, and also pure white. Excellent for cutting. Seed sown outside in May will flower by September. When the seedlings are about one foot high, pinch out the center shoot. This will not only hasten the bloom, but make bushy plants.

### Early Flowering Cosmos

From seed started early in frames, and afterwards transplanted into light sandy soil, the plants will be 3 or 4 feet high by July, tossing into the air a perfect cloud of bright-colored, daisy-like flowers, unequaled for their brilliancy of colors. **Each, per pkt., 5c.**

2721 **Early Pink.** 2722 **Early White.**
2723 **Early Flowering Cosmos,** mixed.
**2724 Tints of Dawn.** White ground flushed with rose.

### Giant=Flowered Cosmos

These do not usually bloom until October. The flowers measure from 4 to 5 inches across, and are perfect in form. **Each, per pkt., 5c.**

2740 **Giant Red** 2742 **Giant Pink**
2741 **Giant White** 2743 **Giant Mixed**
2732 **Giant Orange** (Klondyke). Very fine.

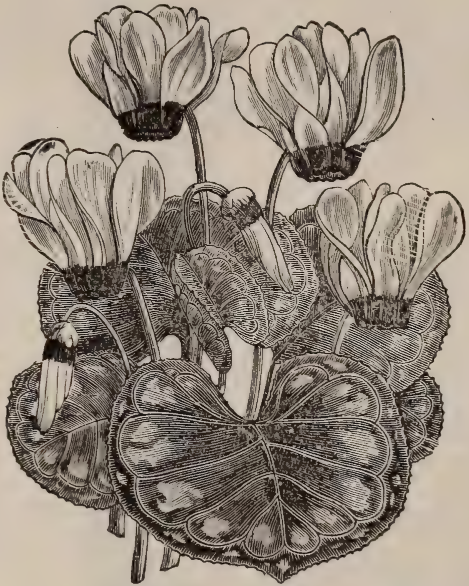
2735 **Lady Lenox.** Admired everywhere. Size of flower, 5 to 6 inches in diameter. Color, a beautiful shell pink. The cut flowers are borne upon very long stems, and last a long time in water.

2733 **Maguerite.** Petals deeply and irregularly fringed.

**CUCUMBER, WILD.** See **Echinocystis.**

2790 **CUPHEA Platycentra** (Cigar Plant). A favorite pot and bedding plant. Flowers scarlet and black.. 5

2791 **CYPERUS** (Umbrella Plant). An aquatic plant readily grown from seed. The leaves radiate from the stem and expand in umbrella form.............. 5



CYCLAMEN PERSICUM

**CYCLAMEN** Beautiful plants for pot culture in window or greenhouse. They can be had in bloom from seed in about one year. Sow seed in shallow boxes indoors at any time during spring or fall, and transplant into pots. Our strains of seed are unsurpassed.

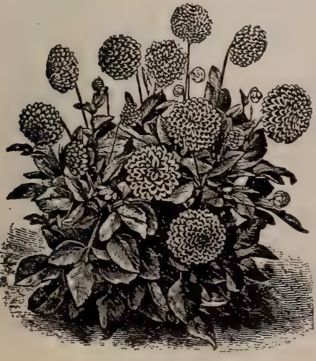
### Giant=Flowered Fancy Cyclamen

**Named Sorts, each, per pkt., 25c.**

2774a Album Perfection, pure white.
2774b Crimson King, dark crimson.
2774c Magnificum, white, carmine eye.
2780a Marienthal, rose. 2773 Mixed.
2780b Salmoneum, salmon. 2780a Mont Blanc, white

### Cyclamen in Mixed Colors

| | | |
|---|---|---|
| 2774 | **German grown seed** | Pkt. 25 |
| 2775 | **Orchid=flowered or Butterfly** | 25 |
| 2775a | **English grown seed** | .25 |
| 2780 | **Special Florists' Strain** | .25 |
| 2785 | **Persicum.** This strain is more easily cultivated by private growers than the Giants | 25 |
| 2785a | **Giganteum.** Large flowers | 25 |



DAHLIA, CACTUS-FLOWERED

**CYPRESS VINE.** H. A. 15 ft. Rapid growing climber; fine for trellises. Star-like flowers and feathery foliage. **Each, per pkt., 5c.**

2796 **Red.** 2801 **White** 2802 **Mixed.**

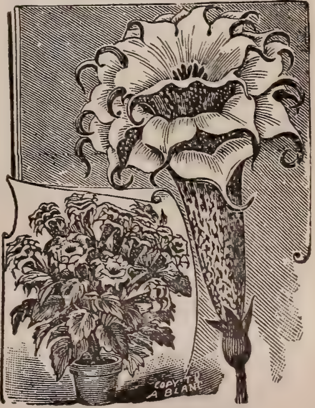
**DAHLIA** These grand flowers of the autumn, if the seed is sown quite early in spring, will commence to bloom by midsummer. Dig the tubers in fall and keep in sand in cellar. 3 to 5 ft. H. H. P.

| | | |
|---|---|---|
| 2803 | **Cactus=Flowered.** Double | 10 |
| 2804 | **Double, Large=Flowered.** | 10 |
| 2805 | **Single, Mixed,** from fine varieties | 10 |

### DATURA (Trumpet Flower)

2824 Bushy, branching, annual plants, 2 to 3 feet high. Suitable for backgrounds and shrubberies. Mixed.................. 5

2829 **Cornucopia.** Three funnel-shaped flowers in one. White inside; outside margined with purple.......................... 5



DATURA CORNUCOPIA

DELPHINIUM BELLADONNA

## DELPHINIUM (Hardy Perennial Larkspur)

Among the best plants for mixed borders, where they make an imposing display with their long spikes of graceful flowers, ranging in color through many shades of blue and others. The foliage is attractive and the plants strong and neat in habit. Perennial Larkspurs grow better than annual varieties; they should be planted further apart. By keeping the plants well watered and the flowers cut, a second crop of bloom may be had.

| | | |
|---|---|---|
| 2860 | **Barlowi.** 2 ft. Rich dark blue | 10 |
| 2865 | **Belladonna.** The freest and most continuous blooming Hardy Larkspur, never being out of flower from the end of June until cut down by severe frost. *The clear turquois blue of its flowers is not equaled for delicacy and beauty by any other flower.* Seed sown in early spring will produce plants that will bloom freely through the late summer and autumn | 10 |
| 2875 | **Chinese.** These fine Larkspurs are admired for their handsome feathery foliage as well as their flowers. The plants make many lateral branches. 2 ft. Mixed | 5 |
| 2873 | **White** | 5 |
| 2874 | **Blue** | 5 |
| 2871 | **Elatum Nanum.** All shades of blue; dwarf | 5 |
| 2858 | **Formosum.** Dark blue, with white center. 3 ft. | 5 |
| 2870 | **Coelestinum.** Bright azure blue; fine | 5 |
| 2879 | **Kelway's Hybrids.** Exceptionally fine | 5 |
| 2872 | **Gold Medal Hybrids.** Spikes 2 to 3 feet long. Flowers mostly light blue | 5 |
| 2859 | **Nudicaule.** Orange scarlet. 1½ ft. | 10 |

## DIANTHUS or Garden Pinks

A magnificent genus of plants, annuals and perennials, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The Chinese and Japanese varieties bloom the first season, the same as hardy annuals; height, 1 foot. The hardy perennial varieties are very fragrant and of easy culture for the garden or greenhouse.

**Barbatus.** See **Sweet William.**
**Caryophyllus.** See **Carnation.**

### CHINESE AND JAPANESE GARDEN PINKS

Many of the flowers have fringed edges. The coloring of all is beautiful, varied, and unique. Pinks are flowers for everybody; they will thrive almost everywhere, and they remain in bloom a length of time. Cutting the flowers freely makes more come in their place.

| | | |
|---|---|---|
| 2889 | **Chinensis, fl. pl.** Chinese double mixed | 5 |
| 2892 | **Chinensis albus pl.** Double white | 5 |
| 2917 | **Heddewigi.** Single flowered | 5 |
| 2918 | **Crimson Belle.** Single, dark, velvety red | 5 |
| 2919 | **Eastern Queen.** Single; rose-colored flowers | 5 |
| 2930 | **Luteola.** Double yellow (see cut) | 15 |
| 2921 | **The Bride.** Single; white with purple center | 5 |
| 2914 | **Fireball.** Double. Dark scarlet; beautiful | 5 |
| 2915 | **Snowball.** Double. White, fringed flowers | 5 |
| 2908 | **Mourning Cloak.** Double. Blackish crimson | 5 |
| 2916 | **Laciniatus** (Japan Pink). Single, fringed | 5 |
| 2905 | **Double Japan Pink.** Rich colors | 5 |
| 2920 | **Laciniatus Mirabilis** (Single Wonder Pink). Very deeply laciniated petals. Large, beautiful flowers | 10 |
| 2906 | **Imperialis.** Double, mixed ¼ oz., 10c. | 5 |
| 2907 | **Diadematus** (Diadem Pink). Double, mixed | 5 |
| 2913 | **Double Pinks.** All colors mixed ¼ oz., 15c. | 5 |
| 2926 | **Single Annual Pinks.** These seeds will of themselves alone give you a flower garden to be proud of ¼ oz., 15c. | 5 |
| 2927 | **Single and Double Annual Pinks.** A blending by ourselves of all the annual varieties described above. Seed sown early will make a bed of blooming flowers by July or August ¼ oz., 15c. | 5 |

### HARDY GARDEN or CLOVE PINKS

This splendid class of hardy perennial pinks should be in all gardens. They have the delightful clove fragrance.

| | | |
|---|---|---|
| 2928 | **Plumarius** (Pheasant-Eye). A beautiful, single, hardy pink with fringed-edged white flowers, dark center | 5 |
| 2929 | **Plumarius Fl. Pl.** Double and semi-double varieties in mixed colors. Fragrant and beautiful | 5 |

## DIGITALIS (Fox Glove)

H. P. 2 to 3 feet. Ornamental border plant. They prefer a rich, loamy soil and partial shade.

| | | |
|---|---|---|
| 2933 | **Purpurea.** Fine mixed. | 5 |
| 2938 | **Gloxinniaflora.** Spotted flowers, mixed | 5 |
| 2934 | **White** | 5 |
| 2936 | **Rose** | 5 |
| 2935 | **Purple** | 5 |
| 2937 | **Yellow** | 5 |

DOUBLE YELLOW HEDDEWIG PINK

## DIMORPHOTHECA (Orange Daisy)

H. A. 12 to 15 inches. Just the thing for groups and borders. Early sown seed will produce plants to bloom all summer. Desirable for cut flowers. Easily grown; prefers a sunny location.

2931 **Aurantiaca.** Flowers glossy rich orange gold with dark center, surrounded by black zone. This is the parent variety.......................... 10

2932 **Aurantiaca hybrida.** Similar in habit to the parent. The flowers range in color from purest white through yellow and orange to rich salmon, being zoned with same color around the center. 15

**DOLICHOS Lablab** (Hyacinth Bean). 10 ft. Rapid growing climber with pretty foliage and bean-like flowers. Desirable for covering trellises and porches. Sow seed in a sunny spot in May.

2943 **Purple and white**.. 5 2945 **Sunlight,** white.. 5

**DRACÆNA or Club Palm.** C. P. 2 ft. A popular plant for pots and vases.

2946 **Australis.** Leaves 2 to 4 inches broad.......... 5

2948 **Indivisa.** Narrow, dark-green foliage............ 5

2949 **Lineata.** Rich and desirable.................... 5

**ECHEVERIA (Hen and Chickens).** G. P. 4 inches. The rosette-like plants are largely used in parks and cemeteries for carpet bedding. Seeds are very small.

2950 **Secunda.** Yellow flowers....................... 20

2951 **ECHINOPS Ritro** (Globe Thistle). H. P. 4 ft. Fine for bees. Peculiarly shaped steel blue flowers good for cutting...................... 5

2952 **EDELWEISS.** H. P. 6 in. An interesting Alpine plant with star-shaped wooly-leaved flowers. Requires a sunny location. 10

## EVERLASTINGS

A group of annual plants whose flowers, cut when nearly at full bloom and dried in the shade, retain their form for years thereafter. They thrive in any sunny garden; need good soil.

2965 **Acroclinium,** mixed....Pkt. 5

2967 **Gomphrena,** 1 ft., red clover-like heads.

2968 **Helichrysum,** 2 ft., also called Straw Flower.

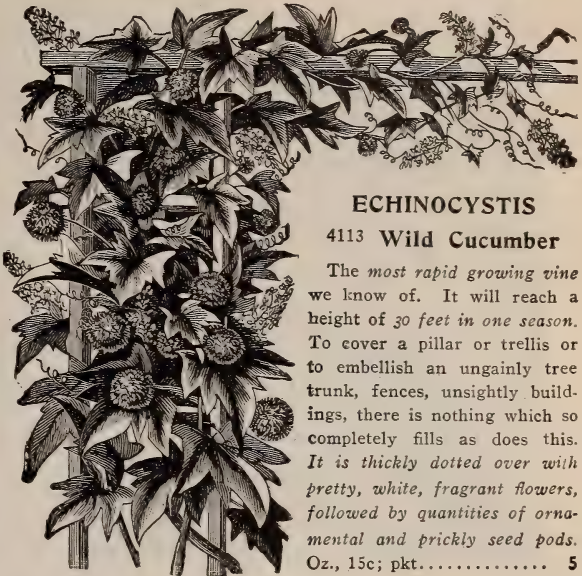
2970 **Silver Ball,** white.

2971 **Helipterum,** yellow.

2973 **Rhodanthe,** 1 foot, mixed.

2974 **Xeranthemum,** 3 ft.

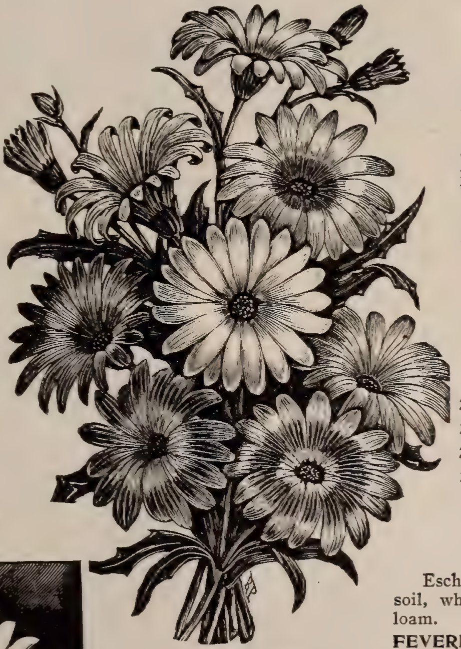
2975 **Mixed Everlastings**....... 5



## ECHINOCYSTIS

### 4113 Wild Cucumber

The *most rapid growing vine* we know of. It will reach a height of *30 feet in one season.* To cover a pillar or trellis or to embellish an ungainly tree trunk, fences, unsightly buildings, there is nothing which so completely fills as does this. *It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental and prickly seed pods.* Oz., 15c; pkt.............. 5



DIMORPHOTHECA

## ESCHSCHOLTZIA

H. A., 1 ft. Especially valuable for growing in flower beds and masses. Sow where plants are to bloom. Bright, showy flowers and feathery foliage. Good for cut flowers. The yellow varieties make a fine combination when placed with blue flowers—Larkspur, Corn Flowers—in a bouquet.

2955 **Dainty Queen.** Flowers of dainty coral pink which deepens toward the edges 5

2956 **Golden West.** Large yellow flowers ............ 5

2958 **Mandarin.** Red-gold flowers; orange within; scarlet outside.............. 5

2959 **Rose** ...................... 5

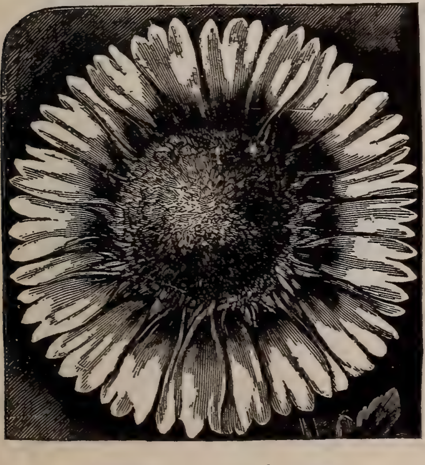
2960 **Single,** mixed............. 5

2961 **Double,** mixed............. 5

2954 **Bush Eschscholtzia.** Buttercup yellow flowers from July until frost. Beautiful feathery foliage. Grows bushy, about 2 ft. high. 5

Eschscholtzias will do best in a poor soil, while Poppies delight in rich, garden loam.

**FEVERFEW.** See **Matricaria.**



GAILLARDIA—KELWAY'S HYBRID

## GAILLARDIA (Blanket Flower)

H. A. and H. P. 2 ft. If started early, will bloom until frost. Excellent for borders, for bedding, and for cut flowers. Give them a light soil and a sunny location.

2998 **Picta Lorenziana.** Crimson and Orange. Double................ 5

2999 **Picta, Single.** Mixed colors.......................¼ oz.,10c .. 5

**Following Are Hardy Perennials, and Should Be in Every Garden**

3000 **Grandiflora Superba.** Large and showy flowers; constant bloomer. 5

3001 **New Hybrids.** These produce flowers of a combination of crimson and golden yellow colors all in one, and are strikingly beautiful. 5

3002 **Kelway's Hybrids.** Beautiful flowers of large size and great brilliance in color. Invaluable for decorations because they retain their beauty a long time after being gathered............... 10

GLOXINIA DEFIANCE

**GERANIUM.** G. P. 1 ft. They grow readily from seed and bloom the same season seed is sown.

3017 **Zonale.** Single mixed. Saved from the largest and finest flowers ........................................ 5

3018 **Apple Scented.** This fragrant-leaved sort can be grown from seed only.......................... 10

3019 **GERBERA Jamesoni Hybrida.** G. P. These are hardier than the parent stock, with orange-scarlet flowers and now includes beautiful colors ranging from pink to violet........................................ 25

**GILIA.** H. P. 1 ft. Early and continuous bloomers. Fine for beds, rockeries, and lawns.

3020 **Mixed** ........ 5 3021 **Dwarf,** white........ 5

3026 **Coronopifolia.** H. H. B. Very brilliant scarlet flowers in great profusion.......................... 25

3043 **GLAUCIUM Flavum Tricolor** (Horn Poppy). H. A. 3 ft. Orange, spotted black and yellow. Blooms all summer ........................................ 5

3044 **GLOXINIA.** G. P. 1 ft. Seeds sown under glass will give flowering plants in four or five months. The bell-shaped flowers embrace many handsome colors seen in no other class of plants. Mixed colors ........................................ 15

3048 **Defiance.** Erect, scarlet flowers.................. 20

3053 **GODETIA.** H. A. 1 ft. Suitable for beds, borders, and to grow in shady places. They grow rapidly and flower profusely from June until frost. Flowers of satiny texture and of delicate and lovely colors. Mixed....................¼ oz., 10c.. 5

## GOURDS, Ornamental

A climber. Quick-growing vines; excellent for covering arbors, walls, and waste places. Gourds grow in very curious shapes, and are used for house ornaments.

3040 **Calabash or Pipe Gourd**.......................... 15

3039 **Dipper.** Always useful.......................... 5

3028 **Dish Cloth.** Like a sponge.......................... 5

3027 **Nest Egg.** May be used as such.................. 5

3037 **Sugar Trough.** For buckets.......................... 5

3041 **Gourds mixed**..........................½ oz., 15c.. 5

3054 **GREVILLEA robusta** (Silk Oak). G. P. Fern-like foliage. A fine decorative plant for house or greenhouse ........................................ 10

**GYPSOPHILA** (Baby's Breath). H. A. 2 ft. Graceful plants with tiny flowers produced in abundance in loose panicles. Excellent for their delicate effect in bouquets.

3064 **Elegans alba.** Pure white tiny flowers.......... 5

3059 **Muralis.** Bright rose.......................... 5

3069 **Elegans rosea.** Soft pink.......................... 5

3070 **Acutifolia.** Rose.......................... 5

3071 **Paniculata.** H. P. Pure white. Plants make fine clumps for garden use.......................... 5

**HELIOTROPE.** Greenhouse shrub. 2 ft. Excellent for bedding; very fragrant; fine for cutting.

3094 **Dark Sorts,** mixed. A fine strain................ 5

3095 **Mammoth Flowered.** This strain gives flowers almost twice the size of others. Colors from almost white to deep, dark purple.......................... 10

3096 **Heliotrope,** fine mixture of colors................ 5

## HELIANTHUS (Sunflower)

H. A. 3 to 6 ft. The state flower of Kansas. Of easiest culture. Suitable for backgrounds, screens, and to plant among shrubbery. In bloom from June until frost.

3077 **Multiflorus.** Forms a dwarf plant. Each branch carries double golden yellow flowers............ 5

3072 **Miniature.** Flowers single, bright orange........ 5

3082 **Mammoth Russian.** Grown chiefly for its seeds.. 5

3087 **Single and Double,** mixed.......................... 5

3092 **Globosus Fistulosus.** 6 feet tall. Double saffron. 5

**HEUCHERA.** H. P. 1 ft. Very desirable for cut flowers. Tiny flowers of bell shape.

3097 **Cristata.** White flowers; crimpled leaves........ 5

3098 **Sanguinea.** Hairy green leaves, crimson flowers.. 5

3099 **HIBISCUS, Crimson Eye.** H. P. 4 ft. Blooms from seed the first year. Large white flowers with crimson center........................................ 5

## HOLLYHOCKS

H. A. and H. B. 6 to 8 ft. Hollyhocks make a fine row in a garden, a fine background next to a building, or high wall or fence. The double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Seed sown before midsummer will insure fine plants next season. Give deep, rich soil.

3100 **Single.** Annual sorts, mixed.......................... 5

3127 **Mammoth Allegheny.** Annuals with double and semi-double fringed flowers ranging in color from pure white to deep red.

### DOUBLE HOLLYHOCKS IN SEPARATE COLORS

3107 **White**
3108 **Crimson**
3109 **Salmon**
3114 **Pink**
3119 **Yellow**
3124 **Maroon**
3125 **Mixed**
**Each, per pkt., 5c**

3126 **Chater's Prize Hollyhocks,** mixed.................. 10

3128 **Kelway's Choice Mixed**.......................... 10

CHATER'S HOLLYHOCK

## HUMULUS

**(Japanese Hop Plant)**

H. A. climber. 12 ft. Grows very rapidly. Has dense leaves and is valuable for covering a trellis or porch.

3148 **Japonicus** ............ 5
3149 **Variegated leaved**..... 5

## HUNNEMANNIA

(Giant Tulip Poppy). H. P.

2954 Buttercup yellow flowers from July until frost. Beautiful feathery foliage. Grows bushy, about 2 ft. high..... 5

3166 **ICE PLANT.** H. A. Of drooping habit. Useful in baskets and vases. Has peculiar leaves covered with small watery postules 5

## IMPATIENS Zanzibar Balsam

G. P. 1 foot. Valuable for pot culture as well as bedding. The delicate flowers are very pretty and constantly in bloom.

3155 **Holstii.** Vermillion..... 5
3160 **Sultani.** Bright rose.. 10
3161 **Sultani Hybrida,** mixed 10

## IPOMOEA (Moon Flower)

Tall-growing annual climbers, related to the family of Morning Glories. As Moonflower plants have dense foliage, they are useful to cover trellis work, verandas, etc. Plant seeds out-of-doors when warm weather sets in. Soak them first.

3326 **White Hybrid.** Its large white flowers expand in the evening and remain open until the following day. 5

3323 **Pink Hybrid**................. 5
3325 **Heavenly Blue.** Blooms in the forenoon. Pure blue with a yellow throat............... 5
3324 **Bona Nox** (Good Night). Its large lilac flowers expand in the night.................... 5

3336 **Northern Light.** Blooms early; pink......... 10

3168 **JERUSALEM CHERRY.** A favorite house plant. Dark-green leaves and red berries 5

3167 **JOB'S TEARS.** A. 2 ft. Broad, corn-like leaves and hard, shiny seeds....Oz., 10c..... 5

3169 **KOCHIA Tricophila** H. H. A. 2 to 3 ft. Makes a pyramidal-shaped cypress-like bush with feathery, light-green foliage, deepening until it becomes a lovely crimson hue about September. Excellent for hedges along garden walks............... 5

3170 **KUDZU VINE (Jack and the Bean Stalk).** An extremely fast-growing, hardy vine. Its large, bright-green leaves make dense shade. Bears rosy-purple pea-shaped flowers toward the end of August. Thrives anywhere.... 10

LARKSPUR, GIANT HYACINTH FLOWERED

**Giant Hyacinth Flowered Larkspurs**

2834. The plants grow 2 to 3 ft. high. The flowers very strongly resemble those of a Hyacinth, hence the name. Colors, white, flesh-tinted, lavender, and blue in mixture. Easy to cultivate, but seed should be sown where the plants are to bloom. Mixed colors. ¼ oz., 15c; pkt., 5c.

LOBELIA SAPPHIRE

## ANNUAL LARKSPUR

H. A. 1 to 6 ft. Handsome, feather-like foliage and long spikes of lovely flowers—white, pink, blue, and violet. Fine for cutting. In bloom July to October. Prefer cool, moist soil.

For perennial varieties see Delphinium.

2835 **Branching, Sky Blue**.. 5
2840 **Branching, Dark Blue**. 5
2851 **Branching, Shell Pink**. 5
2856 **Branching, White**..... 5
2845 **Branching, Mixed**..... 5
2850 **Tall Rocket,** mixed... 5
2857 **Emperor,** compact, mxd. 5

3171 **LANTANA.** G. P. 2 ft. Desirable plants for bedding or culture in pots. The handsome clusters of Verbena-like flowers constantly change in hue....... 5

## LATHYRUS

**(Hardy Sweet Pea)**

Perennial climber, almost constantly in bloom; fine for cut flowers. Pkt.

3177 **Albus,** white.......... 5
3179 **Pink Beauty**.......... 5
3178 **Red** ................. 5
3180 **Mixed** ................ 5
3190 **LAVENDULA.** H. P. 3 ft. (Lavender). Fragrant flowers borne on long round spikes.... 5
3191 **LINARIA cymballaria** (Kenilworth Ivy).H.P. Lavender and purple. Of trailing habit, suitable for hanging baskets and vases....... 5
3192 **Maroccana "Excelsior."** The tiny flowers resemble miniature Snapdragons; showy in borders ................ 5
3197 **LINUM Rubrum.** A. 2 ft. Scarlet Flax..........Oz., 15c.. 5
3198 **Perenne.** White and blue.... 5

## LOBELIA

Lobelias require rich soil and plenty of water. Flowers should be kept back to allow flowering until frost.

The annual varieties, 4 to 6 inches, are extensively used for edgings, baskets, and urns. The perennial sorts are tall growing. Useful among shrubbery. Pkt.

3214 **Emperor William.** Light blue 5
3219 **Crystal Palace Compacta.** Deep blue. Splendid bedder 5
3220 **Speciosa.** Blue; trailing.... 5
3221 **Alba.** White................ 5
3222 **Bedding Queen.** Dwarf; purple with white eye......... 5
3223 **Barnard's Perpetual.** Ultramarine blue; white eye.... 5
3224 **White Gem.** Dwarf......... 5
3233 **Lobelia.** Mixed.............. 5
3226 **Prima Donna.** Rich, velvety crimson; compact.......... 5
3225 **Queen Victoria.** Perennial. Dark bronzy foliage; scarlet flowers................. 10
3228 **Amanda.** Lilac; new........ 20
3229 **Cardinalis.** Scarlet, 3 ft...... 15
3238 **Sapphire.** Rich blue, white eye ...................... 15

3247 **LOPHOSPERMUM scandens.** T. A. 10 feet. Rapid climber with showy rose-colored globe-like flowers.................................. 5

**LUPINUS.** H. A. and H. P. 2 feet. Easily grown plants, useful for beds and borders. July and August. The Sweet Pea-like flowers are borne upon tall stems. Prefer a little shade.

3199 **Tall Annual Sorts,** mixed............Oz., 15c.. 5

3200 **Dwarf Annual Sorts,** mixed..........Oz., 15c.. 5

3202 **True Blue.** Fine for cutting.................. 5

3201 **Polyphyllus.** H. P. Violet blue............... 5

3212 **Perennial Lupins.** All colors mixed........... 5

**LYCHNIS.** H. P. 2 ft. Blooms first year from seed if sown early. Brilliantly colored flowers. 5

3244 **Chalcedonica** (Maltese Cross). Scarlet......... 5

3245 **Haagena.** Various colors in mixture.......... 5

3246 **LYTHRUM roseum superbum.** H. P. 3 feet. Rose-colored flowers. July until fall.......... 5

## MARIGOLD (Tagetes)

H. H. A. 2 to 3 ft. Bloom continuously all summer. They succeed best in a light soil exposed to the sun. A fine garden plant. Cut flowers show to advantage in combination with those of blue shades—Corn Flowers, Delphiniums, etc.

### DOUBLE AFRICAN VARIETIES

The African Marigolds produce very large flowers on tall stems. Plant them in borders or among shrubbery.

3248 **El Doraldo.** Imbricated; all shades of yellow.. 5

3249 **Lemon Queen.** Soft, lemon yellow flowers...... 5

3250 **African Double, Mixed**........................ 5

### DWARF FRENCH VARIETIES

Fine for edging and bedding.

3251 **Legion of Honor.** Single, golden yellow, blotched, velvety crimson................................ 5

3252 **Dwarf Gold Striped.** Very double. Chestnut brown, striped golden yellow................ 5

3253 **French Dwarf Double Mixed**.................. 5

**MARVEL OF PERU** (Four O'Clock). H. A. 2 ft. Showy fragrant flowers which open in the afternoon. Thrive anywhere; blooms entire season. Fine for beds and borders.

3257 Longiflora alba. Long white flowers.......... 5

3255 Tall, mixed...... 5    3256 Dwarf, mixed...... 5

3262 **MATRICARIA capensis** (Double Feverfew). H. H. P. 18 in. Blooms first year from seed if sown early. A fine bedding or pot plant, bearing white flowers in profusion all summer. 5

3263 **MAURANDIA.** G. P. 10 ft. Climbers with slender vines and neat, pretty flowers. Bloom freely in the garden all summer. Especially adapted to hanging baskets and window boxes. **Mixed** ........................................ 5

3264 **Barclayana, blue.** 3265 **White.** 3270 **Mixed.** Each 5

MARIGOLD, AFRICAN

MIGNONETTE MACHET

## MIGNONETTE (Reseda Odorata)

H. A. 12 to 18 inches. If successive sowings are made, its fragrant, modest-colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks till August.

3281 **Allen's Defiance.** Grown under favorable conditions, this variety makes spikes a foot long, and the individual florets are not only very large, but delightfully fragrant as well. The cut flowers last well............ 5

3291 **New York Market.** An extra choice strain, recommended for culture under glass.......................... 15

3292 **Gabriele.** Red flowers; desirable in gardens.......... 5

3293 **Golden Queen.** A distinct color; sweet.............. 5

3294 **Victoria.** Bright-red flowers; dwarf................ 5

3295 **Bismarck.** Red; crinkly foliage, fragrant............ 10

3296 **Goliath.** Rich green foliage; giant trusses of red flowers on strong stems.......................... 15

3297 **Parson's White.** Large spikes; white flowers........ 5

3298 **Mignonette.** All kinds mixed........................ 5

3303 **Machet.** One of the best of the family. Of dwarf habit with very large red flowers and handsome foliage. 5

3304 **Golden Machet.** A distinct strain of the foregoing with golden yellow flowers.............................. 5

3306 **MIMOSA Pudica** (Sensitive Plant). H. H. A. 18 in. Its fern-like leaves are extremely irritable, closing and dropping when touched.......................... 5

3311 **MIMULUS Moschatus** (Musk Plant). H. H. A. 6 in. Useful for hanging baskets. Small yellow flowers.. 5

3312 **MIMULUS Tigrinus** (Monkey Flower). 1 ft. Large flowers of various shades of yellow, splashed and dotted with crimson and maroon...................... 5

3339 **MUSA Ensete** (Abyssinean Banana). 6 ft. Foliage plant with dark-green leaves. Suitable for outdoor culture in summer. 10 seeds...................... 20

## MYOSOTIS (Forget-Me-Not)

H. P. 6 inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Like Pansies and Daisies, they like cool, moist soils, and they will bloom most freely in fall and early spring.

2980 **Semperflorens.** In bloom all summer. Dark blue...... 5

2981 **Alpestris.** Blue; trailing habit..........¼ oz., 20c.. 5

2986 **Robusta Grandiflora.** Grown extensively for cutting. Pyramidal habit. Flowers sky-blue, with yellow eye. 5

2982 **Victoria.** Sky-blue; dwarf; globular. Fine for pots.. 5

2983 **Dissitiflora.** Rich blue; very early bloomer.......... 5

2985 **Palustris.** Blue with yellow eye. Large flowers...... 5

2993 **Forget-Me-Not.** Many varieties, mixed....¼ oz., 15c.. 5

2992 **Tom Thumb.** Pillar-shaped. Sky-blue flowers........ 20

2984 **The Sylph.** Silvery white flowers.................. 10

2994 **New Zealand.** Of easy culture. Succeeds best in a shady situation. Flowers large, deep blue edged white. 25

2995 **Ruth Fisher.** Dark-green foliage, lovely blue flowers. 25

2996 **Star of Love.** Pretty blue flowers, dark leaves....... 25

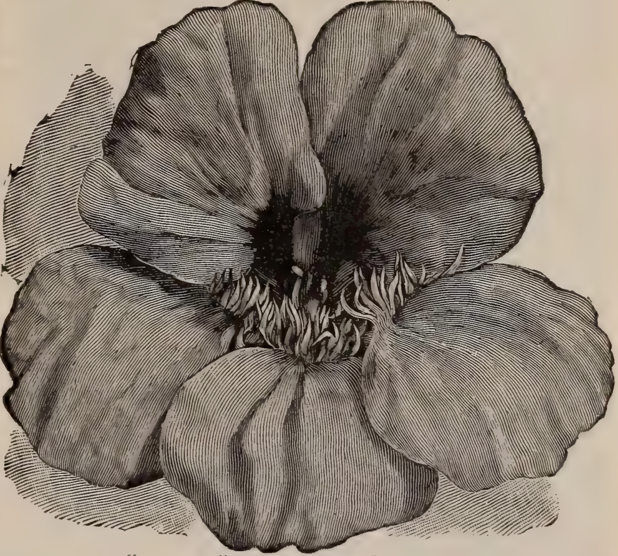
# NASTURTIUMS

No other annual will produce such a lavish profusion for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate and the plants are apt to rot off in wet weather, especially if standing too close.

## TALL OR CLIMBING NASTURTIUMS

**Price** (except when noted): **Pkt., 5c; oz., 15c; postpaid.**

3345 **Atropurpureum.** Crimson, velvety.
3346 **Chameleon.** Crimson, bronze, yellow. Oz., 20c.
3347 **Coccineum.** Bright orange scarlet.
3348 **Dunnett's Orange.** Bright orange, blotched.
3349 **Edward Otto.** Brownish lilac, velvety.
3350 **Heinmanni.** Pale brown or chocolate.
3351 **Hemisphericum.** Yellow and pink.
3352 **King Theodore.** Dark foliage; crimson.
3353 **Pearl.** Lemon, nearly white.
3359 **Regalinum.** Brownish red shaded with violet.
3360 **Scheuerianum.** Straw color, striped.
3361 **Schillingi.** Yellow, blotched maroon.
3362 **Sunlight.** Very large, rich golden yellow flowers.
3363 **Von Molke.** Ruby rose.
3365 **Tall Nasturtiums, Mixed.** Pkt., 5c; oz., 10c; **¼lb.,** 30c; lb., $1.00; including most of the above.
3363 **Hybrids of Md. Gunter.** These are climbing Nasturtiums distinguished by dark-colored foliage and for **richness and variety of coloring** of the flowers, including shades seen in no other class. Pkt., 5c; oz., 10c.



"SUNLIGHT" NASTURTIUM—*Natural size flower*

## DWARF OR TOM THUMB NASTURTIUMS

**PRICE** (except when noted): **Pkt., 5c; oz., 15c; postpaid.**

Grand bedding plants. Their neat, compact growth—about one foot—richly colored flowers, free blooming and long lasting qualities, have made them general favorites. Nothing makes a finer show in the garden.

3371 **Aurora.** Chrome yellow.
3372 **Beauty.** Scarlet, splashed with canary yellow.
3373 **Chameleon.** Beautifully splashed and variegated flowers upon the same plant. Oz., 20c.
3374 **Cloth of Gold.** Golden foliage.
3375 **Coeruleum Roseum.** Cherry red.
3376 **Crystal Palace Gem.** Sulphur spotted maroon.
3377 **Empress of India.** Blue-green foliage, flowers crimson.
3378 **General Jacqueminot.** Crimson.
3379 **Golden King.** Dark foliage, orange yellow flowers.
3384 **King of Tom Thumb.** Dark-green foliage, glowing scarlet flowers.
3385 **King Theodore.** Velvety crimson.
3395 **Lady Bird.** Orange yellow; brown blotch.
3399 **Pearl.** Lemon or straw color.
3400 **Prince Henry.** Pale yellow spotted with scarlet.
3401 **Ruby King.** Light ruby red.
3402 **Rose.** Tinted salmon.
3403 **Scarlet.** A bright and vivid shade.
3404 **Spotted.** Orange, spotted with maroon.
3405 **Yellow.** Bright and clear.

LOBB'S NASTURTIUM

3410 **Dwarf Nasturtiums Mixed.** In this will be found varieties of both light and dark colored foliage. The seed is so cheap it should be planted largely. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00, postpaid.

**NASTURTIUM Lobbianum.** Free blooming and of brilliant and richer colors. Foliage is darker and superior for indoor growing, also for baskets and window boxes. Pkt.
3420 **Lobb's Mixed**..................Oz., 10c.. 5
3421 **Variegated Leaved Queen.** A tall grower, with blotched and striped foliage and scarlet flowers........................... 10

**NICOTIANA.** A. 2 to 4 ft. Belongs to the Tobacco family. Plant out among Holly hocks or Sunflowers.
3423 **Affinis** (tube rose flowered).............. 5
3429 **Sanderea,** carmine red..................... 5
3424 **Hybrids,** collection of 8 colors.......... 25
3434 **Sylvestris,** white drooping flowers........ 5

3444 **NIEREMBERGIA gracis.** A. Useful for hanging baskets or edging.............. 5

3445 **NIGELLA.** A. 1 ft. Very pretty flowers, mixed .................................. 5

3670 **PHYSALIS Francheti** (Chinese Lantern Plant). 2 ft. Fruits form seed the first season. Its seed capsules are balloon-like, somewhat resembling Chinese paper lanterns. When ripe, they are bright red, making a pleasing decoration indoors in winter .................................. 10

**USE ORDER SHEETS—It will be a great help to us in filling your order correctly and speedily if you make it out on our order sheet. If you wish to write us about anything not directly connected with your order, please use a separate sheet of paper. If you want more order sheets or envelopes, ask for them. Keep a copy of your order.**

# PANSIES Various Named and In Mixtures

Pansies thrive best in a cool, moist but well-drained soil, enriched with well-rotted barnyard manure or fine-ground bone. Seeds sown in spring in a partially shaded situation will produce fine plants for autumn flowering. The finest blooms are to be obtained, however, by sowing in July or August, giving the plants protection during winter, when they will bloom profusely in the spring and summer.

## Various Named Pansies

3504 **ANDROMEDA.** A lovely Pansy. Color delicate apple blossom, showing a lilac blue with darker veins.. 10

3450 **COQUETTE de POISSY.** Slate or mouse colored.. 5

3550a **MAUVE QUEEN.** Delicate mauve; three lower petals marked with carmine.................... 10

3500 **MASTERPIECE.** Petals curled and twisted. Very large flowers more or less blotched and in combinations of color. The nearest approach to a double Pansy ........................................ 15

3503 **HERO.** Crimped and curled deep blue flowers, the upper petals margined white...................... 10

PANSY, "PSYCHE"

3502 **PSYCHE.** Fine form and color. A fine blotched flower, entirely surrounded with white.......................... 10

**NEW GIANT PANSY—"Madame Perret"**

3452. One of the best introductions of years. Leaves broad, rich, deep green; flowers three inches across, sometimes lined and striped, but usually of one color of some shade of red from very light to quite dark.................Pkt., 15

3477 **RAPHAEL.** A fine Pansy of the BUGNOT class. The ground color of the flower is sky blue; lower petals marked with a violet blotch......................... 25

3506 **PRESIDENT CARNOT.** A strikingly handsome Pansy. Pure white petals each adorned with silvery margin. Always admired ................................ 5

3509 **FAIRY QUEEN.** Large sky-blue flowers with silvery margin. Always admired. 10

3510 **HORTENSIA.** Light and dark rose-colored flowers with prominent blotches on petals ................................ 10

3460 **SUPERB MIXTURE** of Trimardeau, Bugnot, Cassier, Odier and named Pansies. For immense size and free blooming qualities we unhesitatingly recommend this fine strain...................... 15

By hybridization and selection skilled specialists have greatly improved the Pansy, so that a new strain known as

## Giant Flowered Pansies

has been developed. This, too, is constantly being improved upon by added colors to the extremely large flowers. In size the blooms are marvelous, some being **4 inches in diameter**; in beauty their magnificence is unsurpassed; in colorings they are superb and incomparable.

*Our Pansy Seed is the very best that money will buy.*

**PRICE: Any of the following, per pkt., 10c, 3 for 25c, except as otherwise noted.**

3451 **Giant "Fiery Faces."** Rich scarlet, with gold edge and yellow center.

3465 **Giant Bugnot.** Large, round flowers, with shadings of colors not found in other Pansies.

3466 **Giant Cassier.** Three to five spotted; showy.

3471 **Giant Parisian.** Flowers beautifully blotched.

3472 **Giant Trimardeau.** Mixed; marked with three blotches on lower petals. Pkt., 5c.

3473 **Giant Auriculaflora.** Dark and handsome.

3474 **Giant Aurora.** Pure white. Finely flowered.

3475 **Giant Azure Blue.** Beautiful shade.

3476 **Giant Coal Black.** Jet black.

3482 **Giant Purple.** Rich and velvety.

3483 **Giant Emperor William.** Navy blue; purple eye.

3484 **Giant Five Spotted.** Petals blotched. Novel.

3489 **Giant Lord Beaconsfield.** Upper petals lavender, lower ones deep purple. A beauty.

3494 **Giant Snowflake.** Pure white.

3495 **Giant Spotted White.** Has dark-blue blotches.

3496 **Giant Striped.** Pkt., 5c.

3497 **Giant Yellow.** Dark center. Yellow edge.

3498 **Giant Yellow Gem.** Clear yellow.

3499 **Giant Violet Blue.** A lovely pansy; large.

3457 **PANSY Barnard's Florists' Mixture** This mixture is made chiefly for and is extensively used by professional florists. Those who admire fine pansies should buy BARNARD'S FLORISTS' MIXTURE. It contains seeds of all the BEST Pansies, including the newer varieties. A bed grown from this seed will give you a grand display. It is the BEST Mixture that money can buy. Pkt., 20c; 3 for 50c.

3458 **Giant Pansies, mixed.** Incuding the above and several other large-flowered sorts not obtainable otherwise than in this mixture. Pkt., 10c; 3 for 25c.

## PRIZE PANSIES

For liberal planting in the garden beds these fine sorts are the most desirable. The plants grow compactly and bloom continuously.

**Any of the following, per pkt., 5c.**

3512 **Azure Blue.**

3513 **Black.** Very dark.

3518 **Black and Crimson.**

3519 **Bronze Colored.**

3519a **Brown Shades.**

3520 **Candidissima.** White.

3521 **Cardinal.** Scarlet.

3522 **Dark Purple.** Rich.

3523 **Emperor Frederick.** Purple, scarlet, and yellow.

3524 **Emperor William.** Blue with purple eye.

3525 **English Face Pansy.** Blue.

3526 **Fire King.** Yellow, upper petals red.

3527 **Golden Gem.** Yellow.

3532 **Gold Margined.**

3537 **Havana Brown.** Glossy.

3538 **Light Blue.**

3539 **Lord Beaconsfield.** Lavender shade of blue.

3541 **Mahogany Colors.**

3542 **Mottled and Striped.**

3543 **Odier, or Five-Blotched.** Very beautiful pansies.

3507 **Peacock.** Maroon, purple, and peacock blue.

3511 **Prince Bismarck.** Bronze and light yellow.

3544 **Purple,** white edge.

3549 **Quadricolor.** Steel-blue, edged with red and white.

3550 **Silver Edge.** Dark purple, edged white.

3540 **Victoria.** Red, a rich and beautiful shade.

### PRIZE PANSIES, Mixed

3459 All the above and others in proper proportion of colors and varieties. By picking off the blooms as soon as they begin to fade, the succeeding flowers will be much more numerous and of larger size than if they are permitted to go to seed. Pkt., 5c.

3560 **PASSIFLORA Coerulea** (Passion Flower). H. P. 10 ft. Rapid growing climber, suitable for conservatories, also for outdoor culture in summer in the south. Rich foliage and sky-blue flowers 5

3564 **PENTSTEMON.** H. P. 3 ft. Ornamental plants which make a splendid effect in borders, etc. Will flower the first season if sown early. They bloom from June until late in the fall. The half-pendent bell-shaped flowers show beautiful shades and markings of scarlet, pink, white, and blue. Mixed.................... 5

3564 **Hartwegii albus.** The illustration shows the shape of the beautiful flowers. At first the buds are of a creamy color, but change to clear white when opening. Its handsome spikes furnish excellent material for bouquets.......... 25

3562 **PENNISETUM Rupellianum.** H. A. 18 inches. Ornamental grass used for edgings of Cannas. 5

3561 **Longistylum.** Brush-like heads................. 5

3563 **PEPPER, Celestial.** Makes a beautiful pot plant for Christmas presents, etc. Its fruits appear in various colors......................... 10

**PERILLA.** H. H. Handsome foliage plants with broad and notched leaves. They grow about 18 inches high, and are used as background to geraniums and other bedding plants.

3595 **Atro Laciniatis.** Deep mulberry foliage, edges finely cut................................. 5

3596 **Macrophylla.** Dwarfer than the above........ 5

**PETUNIA.** See following page.

## PHLOX DRUMMONDI (Flame Flower)

The annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds. From June until October they maintain an endless display of brilliant and varied colored flowers. The plants grow about one foot high. By pinching them back while young they become more bushy. The young plants should be set out about one foot apart. Sow in the open ground in May.

3668 **Phlox Drummondi.** Unsurpassed for variety of colors. Flowers are smaller than those of the large-flowering varieties............¼ oz., 15c.. 5

## LARGE-FLOWERING PHLOX

3625 **Scarlet** ........ 5
3626 **Pure White**.... 5
3627 **Rosy Carmine**.. 5
3645 **Chamois Rose**.. 5
3633 **Carmine, white** eye .......... 5
3644 **Blood Red**...... 5
3646 **Large Flowering, mixed**..........¼ oz., 20c.. 5

3647 **STAR PHLOX (P. Cuspida).** The center of each petal runs out to a point beyond the edge which gives the flowers a *regular star-like form.* Plant of compact habit, bearing large umbels of flowers. **Mixed colors**...................... 5

### DWARF PHLOX (Nana Compacta)

The little bushy plants rarely grow over 8 inches high. Throughout the entire season they are full of flowers. They are recommended for culture in pots, beds, or edgings of borders.

3648 **White** ......... 5
3649 **Red** ........... 5
3650 **Blush Rose**..... 5
3651 **Rose** .......... 5
3652 **Blood Red**...... 5
3653 **Mixed** ......... 5

3667 **Barnard's Phlox Mixture.**
Contains all the annual varieties above and others. One packet of seed will insure a beautiful bed of Phlox. This is a flower for everybody...........⅛ oz., 25c.. 5

## DOUBLE-FLOWERING PHLOX

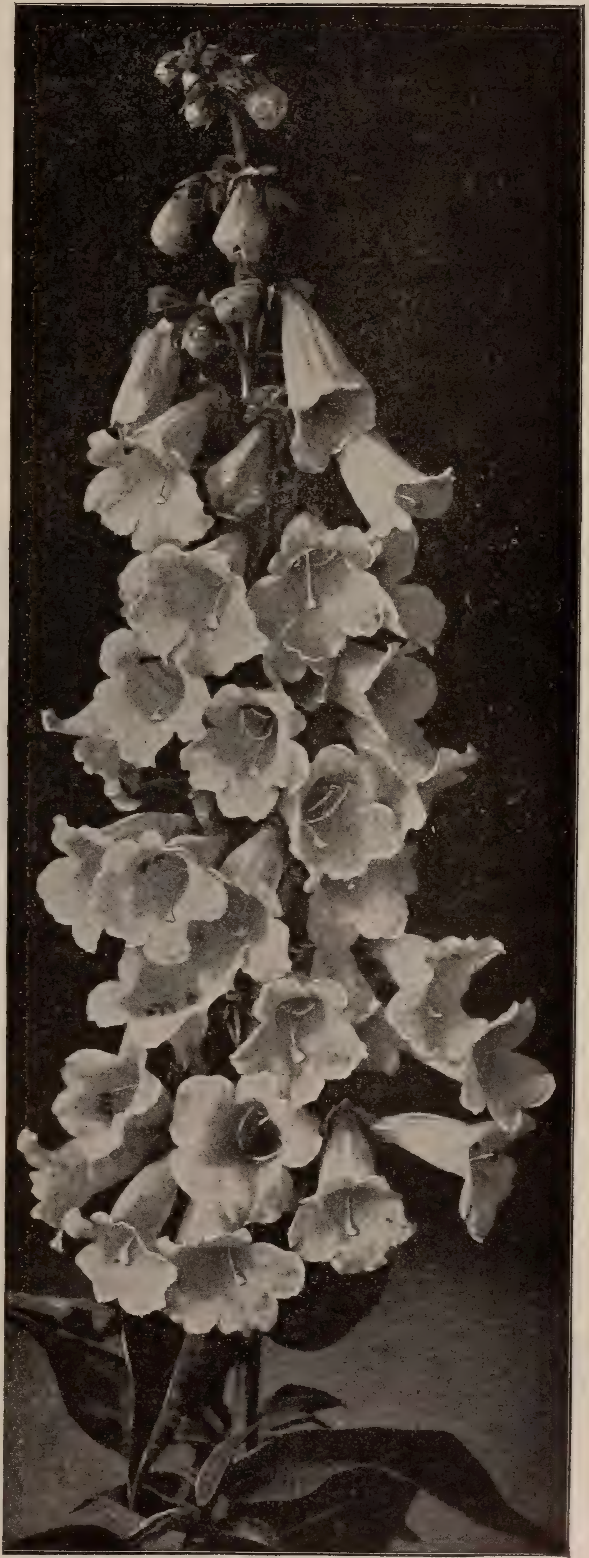
Some of these will prove only semi-double. To produce the best double flowers they should be grown in light sandy soil. Flowers are very durable, the white especially, as a cut flower.

3597 **White.** 3598 **Scarlet.** 3614 **Mixed.** **Each, 5c**

## HARDY PHLOX (Decussata)

They are perfectly hardy and need no protection; will grow in any soil, but succeed best in deep, rich, rather moist ground. Should be sown in autumn. Their handsome trusses of flowers are very showy and last a long time.

3654 **White**
3659 **Red**
3660 **Rose**
3665 **Carmine, white eye**
3666 **Mixed. Each, per pkt**........................ 10



PENTSTEMON HARTWEGII ALBUS

## PETUNIAS

H. H. A. 6 inches. Petunias are most easily grown. From early summer to late fall they are loaded with flowers; heat, rain or drouth do not affect them. It is advisable to sow Petunia seed indoors and transplant tq the beds or borders in May. The Bedding sorts can be sown in the open ground in May and will be in bloom by midsummer.

### LARGE=FLOWERING—Single

3565 **Giants of California.** A large-flowering strain with fringed and ruffled flowers of rich velvety colors and deep yellow throats ...... 10
3570 **Fimbriata.** Enormous flowers beautifully veined. Edges of petals ruffled and fluted...... 10
3571 **Superbissima.** Very large flowers of various colors and richly marked throats...... 20
3572 **Large=Flowered Mixed.** Superb colors and markings.... 10
3573 **Canary Bird.** Clear yellow, finely fringed. Desirable.... 25
3578 **Rheingold.** The widely open throat is golden yellow, without veins or netting; the outer margin is white...... 25
3579 **Quadricolor.** Its bright red rose flowers are veined for two thirds of their surface with network...... 25
3580 **Pepita.** Petals fringed. Color rich, deep carmine, nearly scarlet, bordered with white...... 25

### LARGE=FLOWERING—Double

*A proportion will come single or semi-double*

3581 **Empress.** Rose...... 25
3594 **Double White.** Fringed flowers...... 25
3582 **Fringed** ...... 25
3588 **Pure White**...... 25
3584 **Barnard's Double Petunias,** mixed ...... 25

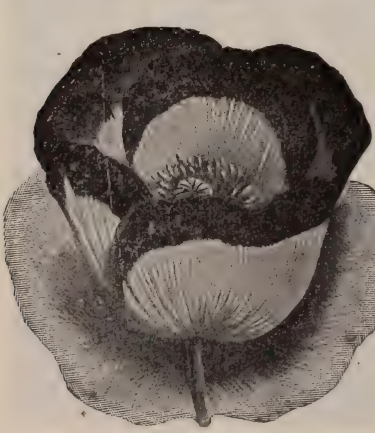
### BEDDING PETUNIAS

Dense, bushy little plants, only about 8 inches high; the flowers, while not large, remain boldly expanded, and in their profusion fairly hide the plants for months; beautiful for garden beds, borders, and edgings, and also beautiful subjects grown in pots.

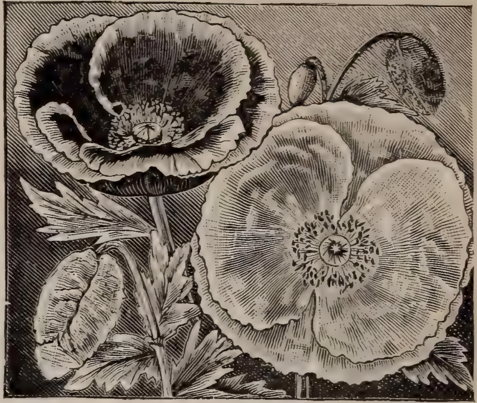
3585 **Fine Mixed**...... 5
3586 **Dwarf Inimitable.** Cherry red with white star. 5
3587 **Blotched and Striped.** 5
3583 **Pure White**...... 5
3589 **Snowball.** White; compact ...... 5
3591 **Adonis.** Height and habit like Snowball. Carmine with white throat ...... 5
3593 **Rosy Morn**...... 5
3592 **Howard's Star.** Crimson maroon with a clearly defined five-point star in center of flower. Fine for bedding, baskets, vases, etc...... 10

**PINKS.** See **Dianthus.**
**POLYANTHUS.** See **Primula.**

STAR PETUNIA



ADMIRAL POPPY



SHIRLEY POPPY

## POPPIES

(Papaver)
H. A. and H. P. 2 to 3 ft.

While Tulips are yet in bloom the Oriental Poppy makes the garden glow and from soon afterwards until late autumn a succession of Poppy flowers in their brilliant colors are available for cut flowers. Annual sorts should be sown in a loamy soil where they are to bloom, as they do not take kindly to transplanting.

### ANNUAL POPPIES

3684 **Single Poppies,** mixed colors......½ oz., 15c.. 5
3677 **King Edward.** Scarlet with black blotch...... 20
3678 **Admiral.** A beautiful variety having large smooth-edged white flowers with a broad scarlet band around the top ...... 5
3679 **Glaucum** (Tulip Poppy) mixed; dwarf...... 5
3680 **Shirley.** Delicate colors, in great variety...... 5
3685 **Shirley, Santa Rosa Strain.** Crimped Petals. Contains a wider range of colors than above...... 10
3683 **Miss Sherwood.** Satiny white, tinged with rose...... 5
3694 **Double Poppies,** mixed colors. ½ oz., 15c...... 5
3686 **White Swan.** Double white; fringed 5
3687 **Peony=flowered.** Mixed colors. ½ oz., 10c...... 5

### PERENNIAL POPPIES

For permanent beds these are unequaled. Effective among shrubbery, being of tall growth, large-flowered, and showy.

3702 **Nudicaule** (Iceland Poppy). The various-colored flowers are borne on long, slender stems with feathery foliage. Mixed colors...... 5
3696 **Scarlet.** 3697 **White.** 3698 **Orange.** Each...... 5
3703 **Orientale** (Oriental Poppy). The handsome showy flowers, ranging from pink to crimson, are gracefully carried on long slender stems decorated with fern-like foliage. (See front cover.) Colors mixed. 5

**PHYSOSTEGIA Virginica.** H. P. 3 to 4 feet. Makes a bushy plant which during the summer months is clothed with tubular flowers. Should be in every garden border.

3672 **Pink**...... 5 3673 **White**...... 10
3676 **PLATYCODON Mariesi** (Japanese Bell Flower). H. P. 2 ft. Deep blue...... 5
3674 **Grandiflorum.** Light blue.... 5 3675 **Album.** White...... 5

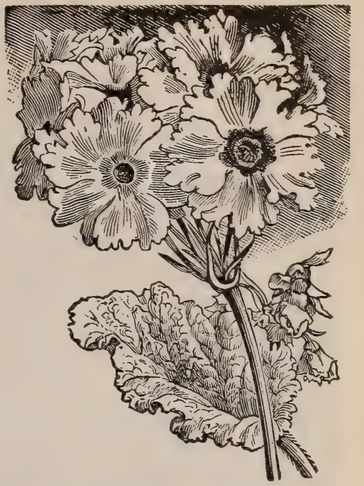
**PORTULACA.** H. H. A. 3 inches. Specially adapted for shallow soils; they are charming dwarf plants for dry, sunny situations and exposed rockwork, flowering profusely during the hottest weather Sow in open ground in May.

3705 **Single,** mixed......¼ oz., 15c.. 5
3706 **Double,** good, mixed...... 5
3170 **PUERARIA, or Jack and the Bean Stalk.** An extremely fast-growing, hardy vine. Its large, bright-green leaves make dense shade. Bears rosy-purple, pea-shaped flowers toward the end of August. Thrives anywhere......⅛ oz., 15c.. 5

# PRIMULA SINENSIS FIMBRIATA

## (Chinese Giant Fringed Primroses)

Chinese Primroses and the Obconica varieties are among the finest pot plants for window or greenhouse decoration in winter and spring. They are stocky and robust in growth, about twelve inches high. Easily grown from seed which, if sown in April or May, will bring plants to bloom next winter.



### Giant-Flowered Fringed Single Varieties

Seed should be sown in light soil, and it must never be allowed to become dry. The young seedlings require good ventilation and partial shade in summer. We have an exceptionally fine strain of seed which produces plants with rich green foliage and umbels of flowers well thrown up above it.

**Any of the following at 25c per pkt.**

3708 **Barnard's Mixed.** Made up from named sorts.
3708a **Chiswick Red,** bright crimson scarlet.
3708b **Crimson King,** rich color, dark-brown eye.
3708c **Duke of York,** crimson.
3708d **Filicifolia,** mixed.
3709 **Gigantea,** mixed.
3709a **His Majesty,** large flowers; art shade of crimson.
3709b **True Blue,** improved in color and habit.
3709c **Magnifica Blue,** solid, light blue flowers of large size.
3710 **Orange King,** orange, shaded with terra cotta.
3710a **Queen Alexandra,** the largest white Primula; red stemmed foliage.
3710b **Rosea Delicata,** rosy blush.
3710c **Rose Queen,** salmon.
3710d **Ruby Queen,** deep red.
3711 **Snowden,** large white.
3713 **Stellata,** star-like flowers in clusters. Various colors, mixed.

3713a **Malacoides.** Light lilac flowers on tiny stalks. Under glass the plants will bloom in from four to five months .................... 25
3713b **Kewensis** (Giant Buttercup). Dark-green leaves; bright yellow flowers on long stems............... 25
3718a **Forbesi** (Baby Primrose). In bloom from October all through winter. Comes into flower in a few weeks after seeds are sown.......... 15

## RUDBECKIA

### (Corn Flower)

H. A. and H. P. 2 feet.

Showy; free blooming, fine for cutting. In bloom July to September.

3767 **Bicolor superba.** Large, bright yellow, with dark spots.. 5
3768 **Fulgida variabilis.** H. P. 3 ft. Orange yellow............... 5
3773 **Purpurea.** H. P. 3 ft. Reddish purple flowers....................... 5

**SWEET ROCKET.** H. P. 2 to 3 feet. Valuable for cut flowers.
4030 **Purple**......... 5 4031 **White**....... 5

RUDBECKIA VARIABILIS

PYRETHRUM AUREUM

## Obconica Grandiflora

3712c. The delicate little flowers are borne on long stems. **Mixed.**
3711a **White**
3711b **Oculata**
3711c **Purple**
3711d **Rosea**
3712 **Crimson**
3712b **Fimbriata,** mixed
3712a **Fimbriata,** rose
3712d **Giant Mixed**
**Each, per pkt., 25c**

## Hardy Primulas

Should be protected by leaves or covered with cold-frame in winter. They like a cool place, alongside a north wall where there is moisture.

3713d **Auriculata** ......... 10
3718c **Cowslip** ............ 10
3718d **English Primrose**.... 10
3718b **Japan Primrose**....... 10
3718 **Polyanthus** ........... 10

## PYRETHRUM

Hardy perennials, useful in borders. Their daisy-like flowers are fine for cutting. They come in a variety of colors and in great profusion. The golden-leaved sorts are invaluable for edging and bedding.

3724 **Aureum.** Bright yellow foliage...... 5
3729 **Golden Gem.** Dwarf................................... 5
3740 **Selaginoides** (Fern leaved). Foliage golden yellow...... 5
3723 **Comet Flowered.** Petals twisted and tangled. Color pure white to blood red........................................ 20
3741 **Roseum Hybridum.** Large, Aster-shaped flowers in shades of white, pink, red, and purple. May and June.......... 5
3742 **Kelway's Single Mixed.** Valuable for cutting. Colors are bright and attractive...................................... 15
3730 **Hybridum Fl. Pl.** Aster-like flowers. All colors from pure white to crimson. Mixed.......................... 15

## RICINUS (Castor Bean)

H. H. A. 6 to 15 feet. Ornamental plants with palm-like foliage and showy fruits. Fine for center plants in beds of Cannas, etc., giving to the garden magnificent sub-tropical effects; even a single plant forms a pyramid of leaves.

3744 **Borboniensis arboreus.** 15 ft. Large, deep-green foliage. 5
3745 **Cambogensis.** 5 ft. Dark bronzy maroon................. 5
3750 **Sanguineus.** 10 ft. Stems red; leaves green with red ribs. 5
3752 **Zanzibarensis.** 15 ft. Leaves vary in color from light green to purplish red................................ 5
3753 **Gibsonii.** 6 ft. Dark leaves. Dwarf branching habit.... 5
3758 **Ricinus, finest mixed**.................................. 5

**SALPIGLOSSIS.** H. A. 2½ ft. Easily grown from seed. Should be in every garden. The funnel-shaped flowers are like a Petunia. They come in a wide range of colors, each flower veined and pencilled. In bloom August to October. Useful for cutting.

3774 **Emperor.** An improved strain; growth is more compact and flowers larger........ 10
3775 **Mixed.** Many shades and markings....¼ oz., 20c.. 5

SALVIA, FIREBALL

## SALVIA SPLENDENS (Scarlet Sage)

These handsome bedding plants, of which there are a number of different strains, produce large, long spikes of flowers well thrown up above the foliage. A hedge or bed of Salvias is a blaze of color during late summer and fall.

3837 **Splendens.** 2½ ft. The well-known variety, ⅛ oz., 20c........ 5
3824 **Silver Spot.** 2 ft. Scarlet flowers; spotted leaves. 5
3802 **Clara Bedman.** 2 ft. Dwarf and compact........ 10
3819 **Drooping Spikes.** 2½ ft. Red flowers........ 10
3829 **Burning Bush.** 2½ ft. Blooms early........ 10
3807 **St. Louis.** 2½ ft. Scarlet flowers........ 10
3785 **Fireball.** 2 ft. Very compact; desirable for pots.. 15
3790 **Zurich.** 12 to 15 inches. Scarlet, early........ 15
3831 **Compacta Alba.** White flowers; habit like Zurich.. 25
3780 **Triumph of Italy.** 20 inches. Rose lilac........ 25
3832 **King of Carpets.** 16 to 18 inches. Covers itself completely with long, bright red ears right down to the ground, which produces a brilliant effect.. 25

3795 **SALVIA Argentea.** H. P. 3 ft. Silvery foliage; small white flowers........ 5
3800 **Coccinea.** A. 2 ft. Fiery scarlet........ 5
3830 **Globosa.** H. B. 1½ ft. Blooms the second year from seed. Excellent foliage plant for lawns. Silvery gray leaves deeply cut; large white flowers. 25
3801 **Patens.** T. P. 2 ft. Blue flowers on erect spikes 10

The four Salvias above, while mostly perennials, bloom the first season. They are desirable for border plants, but not for display bedding.

**SCABIOSA (Mourning Bride).** H. A. 12 to 18 inches. Plants for mixed borders and excellent for cutting. Flowers borne on long, erect stems, in globular beads in colors of nearly white to dark purple maroon. From July until frost.

| | | | |
|---|---|---|---|
| 3839 **Tall Double Mixed..** | 5 | 3847 **Fiery Scarlet......** | 5 |
| 3840 **Dwarf Double Mixed** | 5 | 3844 **Caucasica.** H. P. Lavender ........ | 5 |
| 3842 **Golden Yellow.....** | 5 | | |
| 3843 **Snowball, white....** | 5 | 3845 **Caucasica.** H. P. White ........ | 5 |
| 3846 **Pink ........** | 5 | | |

**SCHIZANTHUS** (Butterfly Flower). H. A. 2 ft. The plants are desirable for bordering beds of taller flowers, also for indoor culture in pots during winter. Easily grown from seed. The dainty flowers, peculiarly marked, are fine for cutting. Sow outdoors when weather becomes settled.

3848 **Mixed Colors**........ 5
3849 **Grahami Niveus.** Snow-white flowers and bright green, finely cut foliage. Fine for bedding...... 5
3850 **Wisetonensis.** The plants are covered with bloom, the ground color of which is white with a large spot on the upper lip........ 10
3861 **SEDUM** (Stonecrop). H. P. 4 inches. Showy little plants, suitable for rockwork, stone walls, edgings, etc. Mixed........ 5
3862 **SHAMROCK.** H. P. 6 inches. Sow indoors. Use good rich soil and give plenty of moisture........ 10
3863 **SILENE** (Catchfly). H. A. 1 ft. An easily grown annual with pretty flowers all summer long...... 5
3864 **SMILAX.** Greenhouse climber. 6 ft. Requires strings to run upon. Its long beautiful green sprays are much used for decoration........ 5
3865 **STEVIA serrata.** T. P. 1½ ft. Suitable for summer or winter blooming; largely used for cutting. Small, fragrant, white flowers in clusters.. 5

## STOCKS (Gilliflower)

Stocks are hardy annuals indispensable in every garden. There are both summer and winter blooming varieties. For either bedding or pot culture they are desirable. Average height of plants, 1½ feet. Stocks last a long time in bloom, are beautiful, fragrant, and satisfactory.

### Dwarf German Ten Weeks

The favorite sort for bedding. Grows about one foot high. May be sown in open ground and thinned out; early flowering will result from starting in a hotbed and transplanting. Seed of very superior quality.

| | | | |
|---|---|---|---|
| 3866 **Purple** ........ | 10 | 3870 **Light Blue**........ | 10 |
| 3867 **Blood Red**........ | 10 | 3871 **Crimson** ........ | 10 |
| 3868 **Pure White**....... | 10 | 3872 **Canary** ........ | 10 |
| 3869 **Rose** ........ | 10 | 3873 **Mixed** ........ | 10 |

3874 **Imported collection of six distinct colors**........ 25
3879 **Snowflake.** Pure white; early........ 15

### Giant Perfection or Cut-and-Come-Again

Useful for outdoor bedding as well as for pots or cut flowers. They throw out numerous side branches, all bearing very double, fragrant flowers. Height, 18 inches.

| | | | |
|---|---|---|---|
| 3880 **Pink** ........ | 10 | 3882 **Lavender** ........ | 10 |
| 3881 **Light Blue**........ | 10 | 3889 **Mixed** ........ | 10 |

3887 **Princess Alice.** White........ 10

### Winter Stocks

3888 **Bismarck.** 2½ ft. White. Sown at same time as Ten Weeks, will succeed that class in bloom.... 10
3901 **White Lady.** 20 inches. White. Throws up a central spike like that of a Tree Wallflower, branching freely and assuming a pyramidal form. 25

EARLY FLOWERING WINTER STOCKS

### Nice Early Winter Stocks

These may be sown early to bloom in summer or in July and August for later flowering. Seedlings bloom in ten weeks. Splendid for pots and cutting. 2 ft.

| | | | |
|---|---|---|---|
| 3896 **Abundance,** rose.... | 25 | 3890 **Crimson King**...... | 10 |
| 3902 **Bianca,** white...... | 25 | 3912 **Deep Rose**........ | 10 |
| 3914 **Beauty of Nice, pink** | 10 | 3913 **Deep Lilac**........ | 25 |

# SWEET PEAS

There is no annual grown that is more popular. Inexpensive, easily and quickly grown from seed, thriving on a city lot or in the country garden, supplying a wealth of flowers for months to adorn the home garden or corsage; is it any wonder that they are favorites? Of recent years much improvement has been made in Sweet Peas by specialists. There are flowers of distinct shape and mammoth size borne three or four to the stem. They have fluted or wavy standards and wide-spreading wings, as seen in the illustration of a Spencer variety. Flowers of the Unwin type have the same peculiar wavy form, but are not so large as the Spencer varieties.

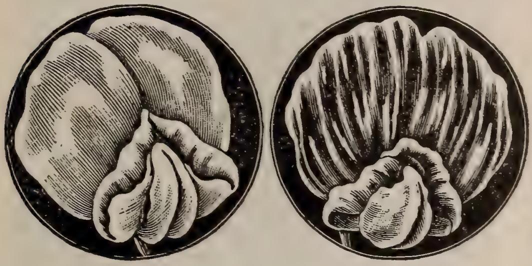
Sweet Pea seed should be sown plentifully, as early as possible. They are usually grown in double rows with a wire trellis or a row of bush between. Make the drills about 6 inches deep and nine or ten inches apart. Change the location of the rows each season. At the time of planting, cover with one inch of soil only, and fill in the drill as the young plants grow, taking care not to cover the top of the plants. A deep soil enriched by bone meal and a sunny situation is best suited for their needs.

## Orchid-Flowering Varieties

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 4017 | **Asta Ohn,** tinted lavender | 10 | 30 | $1.00 |
| 4004 | **Countess Spencer.** Clear pink. The original of this type | 10 | 30 | 1.00 |
| 4018a | **Frank Dolby.** Lavender blue | 10 | 20 | .75 |
| 4018 | **Flora Norton.** Clear bright blue | 10 | 30 | 1.00 |
| 4011 | **Helen Lewis.** Orange pink | 10 | 30 | 1.00 |
| 4009 | **Edward VII.** Rich red | 10 | 30 | 1.00 |
| 4023 | **Mrs. A. Watkins.** Pale pink | 10 | 20 | .75 |
| 4024 | **Nora Unwin.** Pure white, fine | 10 | 20 | .75 |
| 4000 | **White Spencer.** Splendid substance | 10 | 30 | 1.00 |
| 4029 | **Mixture of Spencers** | 10 | 20 | .60 |

## STANDARD SWEET PEAS

**Arranged by Colors for Convenience in Selecting**



### WHITE

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3939 | **Blanche Burpee,** large | 5 | 10 | 30 |
| 4002 | **Dorothy Eckford, fine** | 5 | 10 | 30 |
| 3958 | **Emily Henderson,** early | 5 | 10 | 30 |
| 4001 | **Mont Blanc,** earliest | 5 | 10 | 30 |
| 4010 | **Shasta,** large form | 5 | 10 | 30 |

### PRIMROSE YELLOW

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3959 | **Golden Gleam,** primrose yellow | 5 | 10 | 30 |
| 3974 | **Mrs. Eckford,** primrose yellow | 5 | 10 | 30 |

### PINK AND ROSE

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3928 | **Apple Blossom,** bright | 5 | 10 | 30 |
| 3945 | **Blushing Beauty,** soft | 5 | 10 | 30 |
| 3963 | **Katherine Tracy,** lovely | 5 | 10 | 30 |
| 3969 | **Lovely,** shell pink | 5 | 10 | 30 |
| 3977 | **Prima Donna,** pure pink | 5 | 10 | 30 |

### PINK AND WHITE

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3944 | **Blanche Ferry** | 5 | 10 | 30 |
| 3956 | **Earliest of All** | 5 | 10 | 30 |
| 3944a | **Extra Early Blanche Ferry** | 5 | 10 | 30 |

### ORANGE AND SALMON

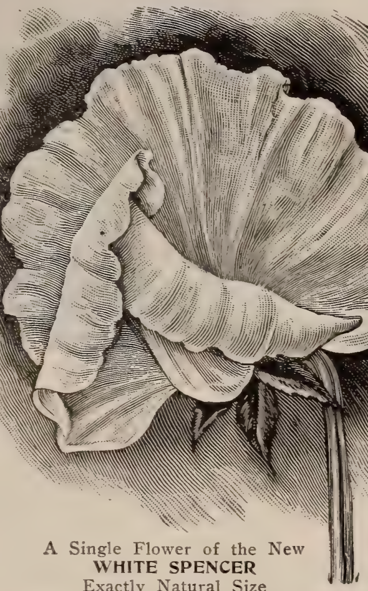
| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3960 | **Gorgeous,** orange scarlet | 5 | 10 | 30 |
| 3965 | **Lady Mary Currie,** orange | 5 | 10 | 30 |
| 3967 | **Lady Penzance,** fine | 5 | 10 | 30 |
| 3973 | **Mrs. Dugdale,** rose | 5 | 10 | 30 |
| 3992 | **Venus,** salmon buff | 5 | 10 | 30 |

### SCARLET AND CRIMSON

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3971 | **Mars,** fiery crimson | 5 | 10 | 30 |
| 3986 | **Salopian,** fine scarlet | 5 | 10 | 30 |

### STRIPED AND VARIEGATED

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3923 | **America,** striped scarlet | 5 | 10 | 30 |
| 3933 | **Aurora,** salmon on white | 5 | 10 | 30 |
| 3962 | **Juniata,** lavender striped | 5 | 10 | 30 |
| 3972 | **Mrs. Chamberlain** | 5 | 10 | 30 |



A Single Flower of the New
WHITE SPENCER
Exactly Natural Size

### MAUVE AND LAVENDER

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3949 | **Countess of Radnor,** pale | 5 | 10 | 30 |
| 3955 | **Dorothy Tennant,** rosy | 5 | 10 | 30 |
| 3957 | **Emily Eckford,** light | 5 | 10 | 30 |
| 3966 | **Lady Grisel Hamilton,** lavender | 5 | 10 | 30 |

### BLUE AND WHITE

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 4012 | **Helen Pierce,** blue on white | 5 | 10 | 30 |
| 3968 | **Lottie Eckford,** edged blue | 5 | 10 | 30 |
| 3970 | **Maid of Honor** | 5 | 10 | 30 |

### BLUE AND PURPLE

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3947 | **Captain of the Blues** | 5 | 10 | 30 |
| 3948 | **Countess of Cadogan,** violet | 5 | 10 | 30 |
| 3975 | **Navy Blue,** deep | 5 | 10 | 30 |

### MAROON

| | | Pkt. | Oz. | ¼lb. |
|---|---|---|---|---|
| 3934 | **Black Knight,** dark | 5 | 10 | 30 |
| 3946 | **Boreatton,** maroon | 5 | 10 | 30 |
| 3987 | **Shazada,** dark maroon | 5 | 10 | 30 |
| 3976 | **Othello,** chocolate | 5 | 10 | 30 |
| 3988 | **Stanley,** rich purple | 5 | 10 | 30 |

### CUPID OR DWARF

| | | Pkt. | Oz. |
|---|---|---|---|
| 3951 | **Boreatton,** purple | 5 | 10 |
| 3952 | **White** | 5 | 10 |
| 3953 | **Pink** | 5 | 10 |
| 3954 | **Mixed** | 5 | 10 |

## SWEET PEAS IN MIXTURE

The seed is not grown mixed, but is blended by ourselves. We use the choicest varieties, and the colors are carefully proportioned.

3998 **Light Colors Mixed.** Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c, postpaid.

3999 **All Colors Mixed.** Gives excellent results. Pkt., 5c; oz., 7c; ¼lb., 20c; lb., 75c; postpaid.

## 3997 BARNARD'S ROYAL MIXTURE

**Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00, postpaid.**

There are pure whites and white striped with other colors, fiery scarlets, blues, steel and purple, pink, all shades; orange, yellow, so many we can not specify. *There is nothing cheap about this superb mixture except the price, and that is reasonable.*

3922 **DOUBLE SWEET PEAS.** Large and beautiful flowers, mixed colors (some semi-double). Pkt., 5 cts.; oz., 10 cts.

STOKESIA CYANEA

2694 **STOKESIA cyanea** (Cornflower Aster). H. P. 2 ft. Of easy culture. Large lavender blue flowers on long stems. Blooms all summer until fall...... 5

**SWEET WILLIAM** (Dianthus Barbatus). H. B. 1½ ft. For bedding, bordering, or cutting, this favorite is invaluable. Of vigorous growth and extremely easy culture, bearing fragrant masses of flowers. Blooms second year from seed.

4032 **Giant=flowered Double Mixed**...................... 10
4033 **Single Finest Mixed**............¼ oz., 20c.. 5
4035 **Hunt's Perfection** or Auricula-flowered.......... 5
4036 **Newport Pink** 4040 **White**
4037 **Pink Beauty** 4043 **Scarlet Beauty**
4039 **Nigrescens** **Each, per pkt**.......... 5

4044 **THUNBERGIA** (Black-Eyed Susan). H. A. Climber. Useful for window boxes, hanging baskets, vases, etc. Trumpet-shaped flowers in great profusion in summer. Mixed colors...................... 5
4045 **Alata Alba.** White, with dark eye.............. 5
4050 **Alata.** Yellow with black eye.................. 5

**TORENIA.** H. H. A. 1 foot. Good both for bedding out and hanging baskets. Trumpet-shaped flowers; in bloom all summer long.

4057 **Nymph.** Light blue.......................... 10
4058 **Fournieri compacta.** Porcelain blue............ 10
4060 **Fournieri.** Sky blue and violet................ 10
4065 **White Wings.** Dainty white flowers............. 10
4070 **TRITOMA Grandiflora** (Red-Hot Poker Plant). H. P. 4 ft. Effective among shrubbery or planted in clumps. The large spikes of orange-red flowers are borne in the autumn........................ 5

## VERBENA

One of the best annuals for bedding purposes, also for vases and window boxes. Easily grown from seed, producing stronger, more vigorous, and better plants than from cuttings. In bloom all summer. Start seed in the early spring, in the house or under glass, and transplant where they are to bloom, after three or four inches of growth have been made.

4079 **Choice Mixed**.................................. 5
4080 **Dwarf, Mixed**.................................. 5

### Mammoth=Flowered Verbenas

An improved strain, producing immense flowers. The seed was saved from finest specimens only. **Each, per pkt., 5c.**

4071 **White** 4075 **Blue Shades**
4072 **Scarlet** 4076 **Pink**
4073 **Striped** 4077 **Auriculaflora**
4074 **Purple** 4079 **Mixed**
4081 **Lemon Scented.** Foliage is delightfully fragrant.. 5

**VIOLA odorata** (Violet). H. P. 6 inches. Well-known favorites that are much in demand on account of their fragrance and profusion of bloom.

4082 **Single Blue**...... 5 4083 **Single White**...... 5

**VINCA** (Periwinkle). T. P. 15 in. Blooms first season from seed. Much used in parks and private grounds for bedding. The plants require no trimming, are free from attacks of insects, and most profuse in blooming. The handsome flowers and pretty foliage make Vincas very desirable.

4087 **Rosea.** Fine shade of rose...................... 5
4088 **Rosea Alba.** White and pink.................... 5
4089 **Rosea Alba Pura.** Pure white.................... 5
4090 **Mixed.** Above varieties......................... 5

**VIOLA cornuta** (Tufted Pansies). These miniature pansies are adapted to shady places and rockwork, also in beds or edgings. Unlike the regular pansies, these Viola are a mass of bloom from June until frost.

4084 **Blue Perfection** 4085 **White Perfection**
4086 **Lutea splendens,** yellow **Each, per pkt., 10c.**

**WALLFLOWER** (Goldlack). H. H. P. 1½ feet. Blooms first year from seed. Adapted to outdoor culture, also in pots. Fragrant, velvety flowers of mostly brown or yellow shades.

4091 **Double Mixed**....... 4092 **Single Mixed**....... 5
4093 **Kewensis.** Rich black-brown flowers.............. 10
4094 **ZEA Japonica** (Striped Japanese Maize). H. P. 5 to 6 feet. An ornamental variety of Corn. The foliage is striped with bands of white and those again divide into white and green................ 5

ZINNIA, GIANT-FLOWERED

## ZINNIAS (Youth and Age)

Zinnias are among the most showy and brilliant of Annuals. They are flowers for everybody. Come readily and quickly from seed, are easy to transplant, will endure considerable drought. For filling flower beds and borders they are unsurpassed. Blooms continuously until frost.

### Giant=Flowering Double

Very large flowers, 5 to 6 inches across, like Dahlias.

4095 **Giant Mixed**....... 5 4109 **Giant Scarlet**..... 5
4108 **Giant White**....... 5 4110 **Giant Golden Yellow** 5

### Large=Flowering Dwarf Double

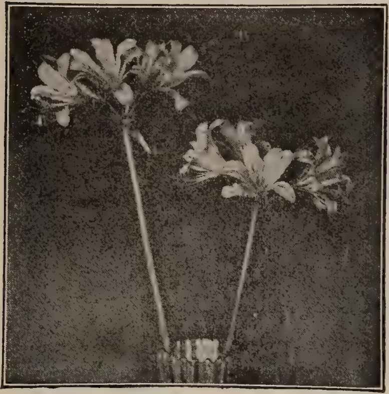
4096 **White** ............ 5 4099 **Canary** ........... 5
4097 **Scarlet** .......... 5 4100 **Crimson** .......... 5
4098 **Orange** ........... 5 4101 **Mixed** ............ 5
4102 **Crested and Curled.** Colors orange, purple, pink, rose. Flowers with twisted and curled petals. Mixed ........................................ 5
4103 **Zebra.** Flowers striped, spotted, and blotched. Nearly every flower is different in markings..... 5
4104 **Double Mexican.** A dwarf-growing class much admired for its extra fine flowers, mixed......... 5
4105 **Tall Double,** mixed. Many colors................. 5
4106 **Dwarf Louble,** mixed. Splendid variety.......... 5
4107 **Double Flesh Pink**.............................. 5

4112 **Flower Garden Mixture** Seeds of more than one hundred varieties of easily grown and handsome flowering plants suitable for forming a beautiful garden, are put together in proper proportions and carefully mixed. They are very useful for sowing alongside of fences, and in any untidy bare spots of ground that are so frequently unsightly and which, if properly cared for and kept free from weeds, produce a continual display of bloom during the summer. Large pkt., 5c; oz., 15c.

# Bulbs and Bulbous Roots for Spring Planting

THERE is nothing in floriculture which, to the amateur, will be attended with as great satisfaction or give as grand results as the cultivation of this class of flowering plants, Set out in early spring they bloom all summer. No matter if planted solely to beautify the home grounds or cultivated by the small boy as his first step to profitable floriculture, the returns will be equally gratifying. *They are of easiest culture, inexpensive, and require scarcely any care.* Most of these bulbs should be taken up before severe frost and stored away in a frost-proof cellar, if possible in dry sand, to preserve for replanting the following spring.

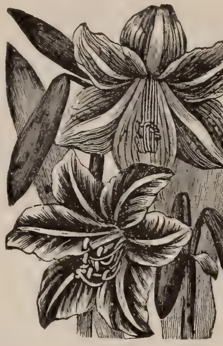
**Prices Given Below Include Prepayment by Mail or Express, Except Where Otherwise Noted.**



HALL'S HARDY AMARYLLIS

## AMARYLLIS

There are many species of Amaryllis, all producing large, drooping, lily-like flowers, varying in color from richest crimson and scarlet to pure white and striped with crimson or scarlet. Some of the flowers measure from 6 to 9 inches across. All of the varieties here listed are of the easiest culture. They succeed best in turfy loam into which well-decayed manure has been mixed. They should be given water very sparingly until the leaves appear. With a little care a constant succession of bloom may be had throughout the year. Winter the bulbs in house or cellar. If in pots, do not remove from soil.



JOHNSON'S AMARYLLIS

**Atamasco Alba** (Fairy Lily). Three to four bulbs to a five-inch pot; for the garden, set out in spring and lift in autumn like Gladiolus. White flowers. Each, 5c; doz., 50c.

**A. Rosea.** Rose-pink flowers, 3 to 4 inches across. Each, 5c; doz., 50c.

**Formossissima** (Jacobean Lily). Will bloom in water like a Chinese Lily. Flowers appear in advance of foliage. Dark scarlet flowers, in early summer. Each, 10c; 3 for 25c.

**Johnsoni** (Barbadoes Spice Lily). Large trumpet-shaped flowers, with a white stripe through each petal. A favorite and well-known variety. First size bulbs, each 25c. Large selected bulbs, each 25c; 3 for $1.00.

### Hall's Hardy Amaryllis

A rare bulbous plant, botanically known and widely advertised as **Lycoris Squamigera.** It is useful to set out in shrubby borders. Needs no special culture; perfectly hardy. "In early spring the foliage appears in long, strap-like, light-green leaves, which die away in July, to be succeeded late in August by the wonderfully effective, soft pink flowers with faint metallic tinges of lavender." Several flowers are borne upon each stalk. Each 25c; 5 for $1.00; not prepaid, each 15c; doz., $1.50.

## TUBEROUS-ROOTED BEGONIAS

They are general favorites for bedding and pot culture. The plants are literally covered with dazzling flowers of immense size and make a most effective and beautiful display if planted in beds on the lawn, 12 inches apart. Started in the house during March and April, the first flowers will appear in June and increase with the season. Unstarted bulbs put into the open ground in May or later, will give good results. After blooming all summer, the bulbs may be taken up in November, dried off and stored away in a cool place until spring. *We secured the strain of Tuberous-Rooted Begonias we offer, from a celebrated Belgian grower, who has taken the highest premiums wherever his collections were exhibited.*

**Single-Flowering Begonias** in separate colors, White, Red, Scarlet, Rose, Dark Pink, Orange, Yellow, or all colors mixed. Each, 5c; doz., 50c.

### Frilled Tuberous-Rooted Begonias

A most unique form, with very large single flowers which are entirely distinct, the petals being wavy and beautifully frilled on the edges similar to the newer forms of Petunias. Scarlet, crimson, white, pink, and yellow. Each, 20c; doz., $2.

### Selected Double Begonias

**Lafayette.** Rich brilliant scarlet. Unexcelled for bedding. Stands hot sun without wilting. Each, 25c; doz., $2.75.

**Double** in separate colors, white, red, rose, dark pink, orange, yellow. Each, 15c; doz., $1.25.

**Double,** all colors mixed, each 10c; doz., $1.00.

## CALADIUM (Elephant's Ears)

A most showy, ornamental plant either as specimen or in groups. Produce enormous leaves that often measure 2 to 3 feet in width and 3 to 4 feet in height.

| Grade | Diameter | Prepaid | | Not prepaid |
|---|---|---|---|---|
| **First Size Bulbs** | 1½ to 2 in. | $0.15 | each | $0.10 |
| **Extra Large Bulbs** | 2 to 3 in. | .25 | " | .15 |
| **Mammoth Bulbs** | 4 to 6 in. | .40 | " | .25 |

TUBEROUS BEGONIA—FRILLED TYPE

## SPOTTED-LEAF CALLA LILY

**(Richardia alba maculata)**

This variety is perfectly hardy in this climate, and is an excellent acquisition for the border or in clumps near ponds. Flowers white; foliage spotted white. Each, 10c; 3 for 25c.

## CINNAMON VINE

Hardy climber of rapid growth, bearing glossy green, heart-shaped leaves and white cinnamon-scented flowers. Each, 5c; doz., 50c. Extra large tubers, each 10c; doz., $1.00.

# SELECT CANNAS

## List of Choicest Varieties in Cultivation

We offer the dry tubers only, and make shipment of them when danger from frost is past. If the dry roots, when received, are not at once planted either in pots or out-of-doors, they may be hastened into growth by watering and keeping in a warm place until the sprouts have attained some length.

Cannas should be planted in good, rich garden soil, mixed with old rotted stable manure. Water sparingly at first after planting; when growing freely, water very liberally. Plants should be set eighteen inches apart each way, and if more than one variety is used, be careful to plant the taller growing ones in the center and the dwarf ones around the edge, if planted in beds.

## Six Grand Cannas of Recent Introduction

**Black Beauty** 5 to 6 feet. Rich, dark-colored leaves; glistening bronzy-purple shaded black, with crumpled margins. Flowers are insignificant; foliage is subtropical in effect. Each, 10c; doz., $1.00.

**King Humbert** 4 ft. Broad, coppery-bronze leaves. Flowers orange-scarlet with red markings. Bold and effective. One of the finest Cannas in cultivation. Each, 15c; doz., $1.50.

**Mont Blanc** **The White Canna.** 3½ ft. Has creamy-white flowers with well-rounded petals. Contrasts well with highly colored sorts as the flowers are almost pure white. Each, 15c; doz., $1.50.

**Mlle. Berat** 5 ft. Soft rosy carmine. The nearest approach to a pink. A first class bedding variety. Vigorous, yet compact. Each, 10c; doz., $1.00.

**Pillar of Fire** 6 to 7 ft. Invaluable for centers of beds. Flowers crimson-scarlet like blazing torches. Continuous bloomer. Each, 10c; doz., $1.00.

**Richard Wallace** 4½ ft. In color it is a pleasing yellow, with exceptionally large flowers which are carried well above the green foliage. Each, 10c; doz., $1.00.

ORCHID-FLOWERED CANNA

## Well-Tried Cannas, Standard Sorts

This list has been carefully revised and the best of the newer Cannas included. Unless stated to the contrary, foliage is green. Early orders for this stock are advisable.

| Orchid or Large Flowering | Each | Doz. |
|---|---|---|
| **Austria**, 6 ft., canary yellow, spotted red.... | $0.10 | $1.00 |
| **Burbank**, 4 to 5 ft., clear yellow............ | .10 | 1.00 |
| **Italia.** 5 ft., yellow, blotched crimson........ | .10 | 1.00 |
| **Indiana.** 5 ft., reddish orange, beautiful.... | .10 | 1.00 |
| **Jean Tissot.** 3½ ft., intense brilliant vermilion with orange shadings...................... | .10 | 1.00 |
| **King Humbert.** 4 ft., orange scarlet with red markings, **Bronze Foliage**............... | .15 | 1.50 |
| **Mrs. Kate Gray.** 6 ft., scarlet and yellow.... | .10 | 1.00 |
| **Pennsylvania.** 5 to 6 ft., brilliant scarlet.... | .10 | 1.00 |

| Red Flowering | | |
|---|---|---|
| **Alphonse Bouvier.** 5 ft., crimson........... | .10 | 1.00 |
| **Chas Henderson.** 3½ ft., bright crimson.... | .10 | 1.00 |
| **Crimson Bedder.** 3½ ft., intense scarlet.... | .10 | 1.00 |
| **Explorateur Campbell.** 5 ft., scarlet, dotted with deep, rich crimson.................. | .10 | 1.00 |
| **Fuermeer.** 4 ft., fiery scarlet; exceptionally free flowering ........................... | .10 | 1.00 |
| **Louisiana.** 6 ft., large flowers of vivid scarlet. | .10 | 1.00 |
| **Pillar of Fire.** 6 ft., bright crimson.......... | .15 | 1.50 |
| **Wm. Saunders.** 4 ft., bright scarlet.......... | .15 | 1.50 |

| White and Pink Flowering | | |
|---|---|---|
| **Alsace.** 3½ ft., creamy white............... | .10 | 1.00 |
| **Charles Mohlin.** 4½ ft., salmon pink...... | .10 | 1.00 |
| **L. Patry.** 4½ ft, rosy pink............... | .10 | 1.00 |
| **Mlle. Berat.** ½ ft., large carmine pink...... | .15 | 1.50 |
| **Mont Blanc.** 3½ ft., almost pure white...... | .15 | 1.50 |

| Yellow Flowering | Each | Doz. |
|---|---|---|
| **Buttercup.** 3½ ft., golden yellow.......... | $0.10 | $1 00 |
| **Florence Vaughan.** 4½ ft., yellow, dotted red. | .10 | 1.00 |
| **Gladiator.** 4 ft., yellow spotted red.......... | .10 | 1.00 |
| **Richard Wallace.** 4½ ft., large yellow...... | .20 | 2.00 |

| Variegated Flowering | | |
|---|---|---|
| **Madam Crozy.** 4 ft., scarlet gilt edge........ | .10 | 1.00 |
| **Queen Charlotte.** 3 ft., scarlet, gilt edge..... | .10 | 1.00 |
| **Souv de A. Crozy.** 3½ ft., crimson with gold band; flowers last a long time............ | .10 | 1.00 |
| **Venus.** 4 ft., rose pink; yellow border...... | .10 | 1.00 |
| **Uncle Sam.** 6 ft., deep orange flowers........ | .10 | 1.00 |
| **Hiawatha.** 5 ft., variegated foliage; large, delicate pink flowers with crumpled petals...... | .10 | 1.00 |

| Bronze Foliage | | |
|---|---|---|
| **King Humbert.** 4 ft., orange and scarlet with red markings; bold and effective........... | .20 | 2.00 |
| **Marechal Valliante.** 7 ft., one of the best.... | .10 | 1.00 |
| **President Carnot.** 7 ft., orange scarlet...... | .10 | 1.00 |
| **Egandale.** 4 ft., currant red flowers.......... | .10 | 1.00 |
| **David Harum.** 3½ ft., vermilion scarlet...... | .10 | 1.00 |
| **Pres. Meyers.** 4 ft., red, cherry carmine.... | .10 | 1.00 |
| **Rubin.** 3½ ft., carmine flowers............ | .10 | 1.00 |
| **Rosea Gigantea.** 7 ft., rose pink............ | .15 | 1.50 |
| **Shenandoah.** 5 ft., large salmon flowers.... | .10 | 1.00 |

### Cannas in Mixture

**Red Shades**, mixed.
**Yellow Shades**, mixed.
**White and Pink**, mixed.
**Variegated Flowering.**
**Orchid Flowering**, mixed.
**Bronze Foliage Varieties.**
**All Sorts**, mixed.

**Each, 8c; 3 for 20c; 6 for 35c, postpaid.**

# GLADIOLUS

## GRAND CUT FLOWERS

### Excellent for Vases

We devote a large space to the growing of Gladiolus, and our field of them, viewed from a distance when in bloom, appears a mass of brilliant coloring. There is a constant show of flowers from late July until frost puts an end to it. The Gladiolus is a flower any one can successfully grow. Any good soil suits them, although larger flowers will result if the ground is enriched by sheep manure or other fertilizer. Plant in May and at intervals later for succession until end of June. According to size of bulb, plant from 2 to 4 inches deep and 7 or 8 inches apart.

For decorative purposes Gladiolus arranged in vases produce a charming effect. There is such a wide range of colors — white, pink, scarlet, crimson, yellow, and these again in variety of combinations. If the spikes of bloom are cut just as the first two flowers are opening, the buds will develop beautifully and last for days if water is changed occasionally.

## Gladiolus, Named Sorts

Selected from the newest and best varieties of recent introductions and others. They will be found invaluable for bedding, cutting, or exhibition.

**America.** Soft flesh pink tinged with lavender. In growth it is strong and healthy, producing an excellent dark-green foliage and a strong, erect spike of large flowers, well set to show to the best advantage. Each, 7c; doz., 75c; 100, $5.00.

**Attraction.** Deep, dark, rich crimson, with a very conspicuous, large, pure-white center and throat. At once a most beautiful and attractive sort. Each, 8c; doz., 75c.

**Augusta.** Flowers are of perfect paper white, with a slight pink shade on lower half of the petal. Each, 4c; doz., 40c; 100, $2.50.

**Blanche.** Large pure-white flowers with but faint markings. Plant is of medium height and is rarely blown over. Each, 15c; doz., $1.50.

**Brenchleyensis.** An old standard sort; one of the best for bedding where one shade of good scarlet is desired. Large bulbs. Each, 4c; doz., 35c; 100, $1.75.

**Ceres.** White, flaked with purplish rose. Each, 4c; doz., 40c.

**Chicago White.** Pure white with faint lavender streaks on lower petals. Tall straight stems. Early. Fine bedding variety. Each, 15c; doz., $1.50.

**Eugene Scribe.** Large, open flowers of a tender rose color, blazed with carmine. Each, 7c; doz., 75c.

**Grace Henry.** Rich, dark cardinal red, relieved by another shade of red in the throat. Each, 5c; doz., 50c.

**Irene.** Pink flaked with crimson. Each, 8c; doz., 75c.

**Isaac Buchanan.** Fine clear yellow. Each, 7c; doz., 75c.

**Kunderdi "Glory."** The ruffled petals give to the flower an odd and original appearance. Color, delicate cream pink with very attractive crimson stripe in the center of each lower petal. Each, 10c; doz., $1.00.

**May.** White, striped crimson. Each, 4c; doz., 40c.

**Madam Monneret.** Delicate rose. Each, 4c; doz., 40c.

**Mrs. Beecher.** Deep rosy crimson with white throat. Beautiful large flowers. Each, 10c; doz., $1.00.

**Rosy Spray.** White, beautifully sprayed rose. Large and fine. Each, 8c; doz., 75c.

**Princeps.** Crimson, with deep broad blotches on the lower petals; the individual flowers are 5 to 6 inches broad. Usually three flowers expand fully at one time, while the spike will produce from 12 to 15 flowers. Each, 15c; doz., $1.50.

**Scribe.** Enormous spike; large, well-opened flower tinted white striped with carmine. Each, 8c; doz., 75c.

TYPES OF GLADIOLUS

## Gladiolus, Named Sorts—Continued

**Shakespeare.** A standard sort, excellent for cutting; white, slightly suffused rose. Each, 10c; doz., $1.00; 100, $8.00.

**Taconic.** Bright lively pink, striped with shades of same color. Markings on the lower petals are deep crimson running into a pale lemon yellow. Each, 5c; doz., 50c.

**Wild Rose.** Delicate and pretty blush tint. In its color it stands alone. Each, 10c; doz., $1.00.

## Gladiolus in Separate Shades

**Young, Vigorous Bulbs, Sure to Produce Fine Flowers.** In many situations we find our customers are desirous of planting large beds or borders with special shades. We offer single bulbs and dozen lots, postpaid.

| | Each | Doz. | 100 |
|---|---|---|---|
| **Red and Scarlet,** bright colors........ | $0.03 | $0.30 | $1.50 |
| **Pink and Salmon,** delicate shades..... | .05 | .40 | 2.50 |
| **Yellow Shades,** the best mixed........ | .07 | .65 | 4.50 |
| **Light and White,** all first-class........ | .06 | .50 | 3.00 |
| **Striped and Variegated,** extra fine.... | .04 | .35 | 2.75 |
| **All Colors Mixed,** fine variety......... | .03 | .30 | 1.50 |

## Gladiolus in Mixture

**Tracy Mixture.** Made by ourselves of several varieties listed on this page and others, all of the highest types of perfection. This mixture will please the most critical buyer. Each, 7c; doz., 75c; 100, $4.00.

**Superfine Mixed.** This includes varieties that will produce some grand flowers. Doz., 35c; 100, $1.75.

**Fine Mixed.** While offered at a low price, we are sure these bulbs will make a satisfactory showing. Doz., 25c; 100, $1.25.

**Groff's Hybrids.** The coloring is remarkable. There are blue, lilac, and heliotrope shades. We offer the true stock in mixture. First size, doz., 60c; 100, $3.00. Second size, doz., 25c; 100, $1.00.

**Lemoine's Hybrids.** Aptly named Butterfly Gladiolus, on account of the marvelous beauty of the fantastic markings and blendings of every shade of color. Mixed. Doz., 25c; ;100, $1.75.

**Childsii Hybrids.** These produce mammoth flowers. They are so erect as to stand four to five feet high, with spikes of bloom sometimes two feet in length. Mixed, doz., 50c; 100, $2.50.

**NOTE—Single bulbs and dozens prepaid by us. Larger quantities at buyer's expense.**

# Barnard's Novelty Set of Dahlias for 1913

In offering this sterling collection this season, we wish to call special attention to the free-flowering and early-blooming qualities of these splendid new creations in Dahlias, which make them suitable for either garden or exhibition work. The color of them is simply beautiful, and for the lover of delicate and chaste varieties we can not recommend them too highly. **Prices include prepaid delivery.**

**Augusta Nonin** **(Decorative).** One of the most brilliant Dahlias in existence, the color being a rich, fiery scarlet. Blooms are of the largest size, full in the center and of the best exhibition type. The plants are free and of upright growth, and produce quantities of large flowers with ease. Very few of the latest introductions have met with such success as has this one. 35c each; $3.50 doz.

**Delice** **(Decorative).** The finest Dahlia introduced within the last five years. At no time has any Dahlia created such a world-wide popularity as has this sterling sort, within the last year. In color it is a beautiful shade of rosy-pink, suffused with lavender-pink. The flowers are medium size, of the most perfect decorative form, and are produced in the utmost profusion on long stems held well above the foliage. This variety should appeal to every lover of flowers on account of its delicate color. 35c each; $3.50 doz.

**Goliath** **(Cactus).** A monster, yet a sterling good sort, as from early August until frost ended their career, our plants of this continued to produce flowers of surprising size with perfect centers and on long, strong stems. The color is yellow, suffused and tinted with reddish-salmon. We can not recommend this variety too highly as it is certain to give satisfaction to all. 30c each; $3.00 doz.

**Kaiserin Augusta Victoria** **(Decorative)**
Another sterling decorative sort that has created quite a sensation. The color is a clear ivory white, without a shade or blemish; the flowers are large, of perfect form with immense, broad, flat petals of graceful curves. One of the many features of this grand sort is its early-blooming qualities, which have heretofore been unknown in any Dahlia. 25c each; $2.50 doz.

CACTUS DAHLIA, MASTER CARL

**Master Carl** **(The King of Cactus Dahlias).** In this grand variety we have all that can be wanted; its color is a pleasing shade of bright amber, which combined with its other good qualities, make it unsurpassable for exhibition or garden purposes. Unlike most other Cactus Dahlias, its colossal flowers are held upright on long stems, displaying the center to advantage. 25c each; $2.50 doz.

**Pius X** In this we believe we are offering the ideal white Cactus Dahlia which has been a desideratum for a long time. In habit of growth it is robust, and in color a pure snow-white, with flowers from 5 to 6 inches in diameter. For exhibitors this variety is an absolute necessity, and for any other purpose, second to none. 25c each; $2.50 doz.

**Paul Kruger** **(Pæony-flowered).** A very pleasing blending of purplish maroon and white. The plant is a very early and prolific bloomer, producing its flowers in extremely long stems. The center petals are very beautifully twisted and incurved, and unlike other Pæony-flowered Dahlias, it has a range of three rows of petals instead of two. 20s each; $2.00 doz.

**Queen Wilhelmina** **(Pæony-flowered).** Immense fluffy flowers of pure white, with yellow center, the petals being very peculiarly twisted and incurved, and the flowers are produced on extra long stems, making them invaluable for cutting or garden decoration. 25c each; $2.50 doz.

**Virginia Maule** **(Decorative).** A gem of the most beautiful coloring, being a delicate shade of shell-pink. Plants robust and flower abundantly throughout the season, the blooms varying but little in size. This is one of the most reliable varieties we have, form, color, and habit all being alike good. 25c each; $2.50 doz.

***One each of above Nine Grand New Dahlias dry roots for $2.00, delivered prepaid.***

## Cactus Dahlias of Special Merit

This is a selection of sixteen varieties made with a view of supplying the amateur, or persons unfamiliar with Cactus Dahlias, an assortment which, in our own experience, has proven to be the earliest, freest and consequently the best for beginners. This assortment can be depended upon to give entire satisfaction and be a mass of colors from early August till cut down by frost.

***Dry roots 20c each; $2.00 per doz.***

**Atlanta.** Large, bright, rich red, shaded darker. A strong, vigorous grower and profuse bloomer.

**Comrade.** Fawn-color at the base, gradually shading to pink at the tips of the petals.

**Countess of Lonsdale.** A pleasing blend of salmon-pink and amber, early, and one of the very best, blooms freely under all conditions.

**Earl of Pembroke.** Bright plum, deeper and velvety toward the center.

**Flora.** An ideal white Cactus Dahlia, a bright, heavy flower, produced on a stout, stiff stem; makes it valuable for cutting.

**Floradora.** Color, dark, velvety crimson, plant of medium height and an early and profuse bloomer, the plants being continually covered with finely shaped blooms.

**Galliard.** The best scarlet-crimson Cactus Dahlia. A profuse bloomer and invaluable for cutting.

**Harbor Light.** Orange-red overlaid with flame sometimes coming golden-orange. The flowers are of immense size, often measuring 7 inches in diameter. Should be in every collection.

**Kriemhilde.** A pure, fresh, delicate pink shaded white at center; finest form; grand cut flower.

**Matchless.** Maroon, shaded black.

**J. B. Briant.** Golden-yellow tinting to soft, creamy-yellow at the tips of the petals, sometimes suffused pinkish-fawn.

## CACTUS DAHLIAS—Continued

**J. H. Jackson.** The largest and finest of the deep velvety-maroons. Flowers very large, finest form.

**Prince of Yellows.** Very large, rich, canary-yellow, with broad, flat petals which are fringed at the tips.

**Mrs. R. J. Jones.** A fancy variety with narrow, twisted petals. The color is deep crimson with a broad band of white running down the center of each petal.

**Standard Bearer.** A clear, bright scarlet. A very early and profuse bloomer.

**Winsome.** One of the best white Cactus Dahlias for cut-flower purposes, being very early and free.

**Any of the above, 20c each, $2.00 dozen.**

We commence sending out dry roots about April 1. Prices named include delivery prepaid.

## DECORATIVE DAHLIAS

### Of Special Merit

The following 20 varieties are the finest in their class, being of unusually distinct and pleasing merit. They are all early and free bloomers, sure to give satisfaction; we can not recommend them too highly.

**Admiral Dewey.** Brilliant imperial purple.

**Catherine Duer.** Bright irridescent crimson-scarlet. Very effective under artificial light.

**C. W. Bruton.** The best yellow; of immense size and perfect form.

**Eureka.** Bright flower; clear pink petals, beautifully formed.

**Frank L. Bassett.** Bright royal-purple, shading to blue. Very early.

**Gettysburg.** Deep scarlet, bright flower.

**Gigantea.** Extremely large, as the name would suggest; gigantic and massive in form, with short, broad petals, producing flowers frequently over 7 inches in diameter. The color is distinct in its class, being a rich creamy-white.

**Grand Duke Alexis.** Color pure white, distinctly tinged, delicate pink. Large and of unique form, each petal being funnel-shaped. Very free blooming considering size.

**Henry Patrick.** A superb pure white variety of large size; borne on long stems; fine for cutting.

**Lyndhurst.** One of the best. Bright scarlet; perfect flowers with long stem.

**Jack Rose.** A rich shade of crimson the same as is found in the Rose of the same name. Plant of sturdy growth, producing an abundance of blooms on strong stems. Fine for cutting.

**Maid of Kent.** Cherry-red, tipped white; sometimes coming a solid color, a beautiful shade of red.

**Miss Minnie McCullough.** Soft yellow overlaid with bronze. Fine for exhibition or cutting.

**Miss Nellie Stuart.** The flower has a dark center shading to a soft pink at tips of the petals. Free bloomer.

**Miss Winters.** Very large, finely formed, pure white, one of the best.

**Perle D'Or.** Produces broad, white flowers on long stems.

**Sylvia.** Flowers from 4 to 6 inches in diameter; of fine form and full to the center. White shaded to soft pink on the outer petals. Early and free-blooming.

**Wm. Agnew.** Glistening scarlet-crimson; always a mass of colors.

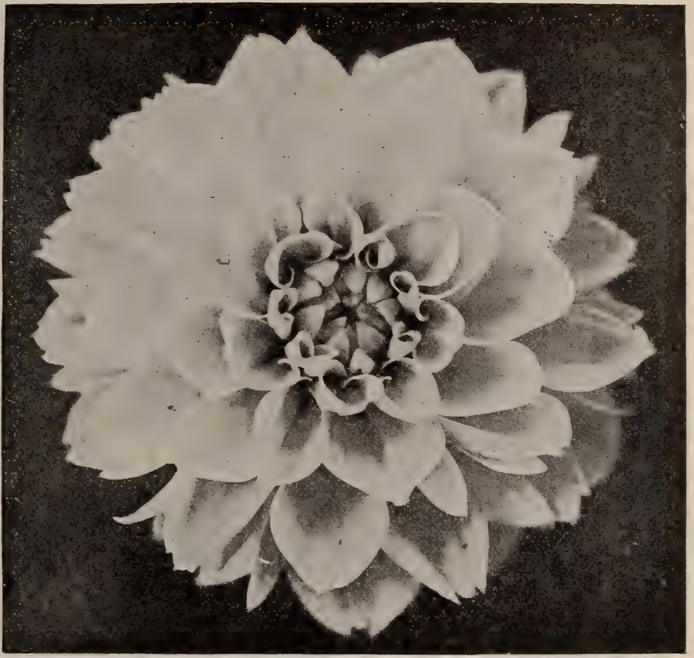
**Yellow Duke.** A grand decorative variety of immense size. Pure canary-yellow, measuring from 5 to 7 inches in diameter, resembling a giant chrysanthemum in form and size.

**Zulu.** Black changing to maroon.

**Any of above, 20c each, $2.00 per dozen. One each of above 20 varieties, $3.25.**

## Unnamed Dahlias

**White, Red, Yellow, Pink, Variegated. 10c each, $1.00 per dozen, prepaid.**


TYPE OF DECORATIVE DAHLIA

## Show and Fancy Dahlias

Show Dahlias (indicated by S) have large, well-formed flowers, showing solid colors; occasionally the tips are shaded. Fancy varieties (marked F) are those whose flowers are striped or otherwise variegated.

**Admiral Schley** (F). Rich glowing crimson, with a broad band of white running through each petal.

**A. D. Livoni** (S). Beautiful soft pink with quilled petals. Fine cut flower.

**Arabella** (S). Pale primrose, tipped and shaded old rose and lavender.

**Eloise** (F). Ground color blush-pink, shading to white, each petal being margined with glowing crimson.

**Fern-Leafed Beauty** (F). White striped deep crimson.

**John Thorpe** (S). Very large, soft, rich pink, fine form.

**Jamaica** (S). Deep rich purple.

**Lemon Beauty** (S). Soft shade of lemon-yellow. Very large, full, rounded form; invaluable for cutting.

**Lucy Fawcett** (S). Sulphur yellow, striped carmine rose.

**Olympia** (F). Flowers of immense size, measuring from 6 to 7 inches across, with full, high center. Deep rose-pink, striped and pencilled deep glowing crimson.

**Penelope** (S). Very large, white, striped lavender.

**Progress** (F). Clear, soft, rosy lake, beautifully pencilled and spotted crimson, the soft shade predominating, producing a smooth effect.

**Queen Victoria** (S). Yellow with quilled petals, good for cutting.

**Red Hussar** (S). Intense scarlet-crimson. The plant is a strong, vigorous grower and early bloomer.

**Scarlet Ball** (S). Well named.

**Storm King** (S). A seedling of A. D. Livoni and having all the good qualities of that sterling sort. An extremely early and constant bloomer of a dwarf branching habit. Undoubtedly the finest white cutter.

**Any of Above, 20c each, $2.00 doz.**

## Pompon Dahlias

**Alewine.** White, flushed soft pink.

**Elegante.** Bright pink flowers with beautiful quilled petals.

**Fairy Queen.** Sulphur-yellow, edged deep peach.

**Klein Domitea.** Salmon-buff.

**Little Herman.** Deep red, tipped white.

**Snowclad.** Finest white pompon.

**Any of Above, 20c each, $2.00 doz.**

## Single Dahlias

**Gaillardia.** Golden yellow with broad band of red, round yellow center.

**Crimson Century.** Deep glowing crimson, shaded darker and tipped rose with rose disc around the center.

**Gorgeous Century.** A rich dazzling scarlet without a blemish, with an occasional white petal intermingling.

**Maroon Century.** Rich maroon shaded plum, large and velvety.

**White Century.** Flowers measure from 5 to 7 inches in diameter, of a pure snow-white color.

**Twentieth Century.** Very large rosy-crimson, with white tips and white disc around the yellow center.

**Any of above, each 20c; doz., $2.00.**

# HARDY LILIES.

Lilies thrive best in a dry, rich soil. They should be planted deep, 4 to 6 inches, as they form two sets of roots, one below, the other above the bulb. All Lilies offered on this page are hardy enough to stand the winter outdoors. It is well, however, to protect them with a covering or litter of straw.

*Prices include postage unless otherwise stated.*

**Auratum.** (Golden Japan Lily.) Extremely fragrant and very beautiful. Flowers white, dotted with crimson, with a golden band running through center of each petal. *First size*, each, 15c; 3 for 40c; doz., $1.50. *Not prepaid, Large bulbs*, each, 10c; doz., $1.00.

**Longiflorum.** A variety bearing in clusters beautiful snow-white trumpet-shaped flowers of rare fragrance; fine for either outdoor or house culture. *First size*, each, 15c; 3 for 40c; doz., $1.50. *Not prepaid, Large size*, each, 10c; doz., $1.50.

**Tigrinum.** (*Single Tiger Lily.*) Flowers, orange red, spotted black. Each, 10c; 3 for 25c; doz., $1.00. *Not prepaid*, each, 5c; doz., 50c.

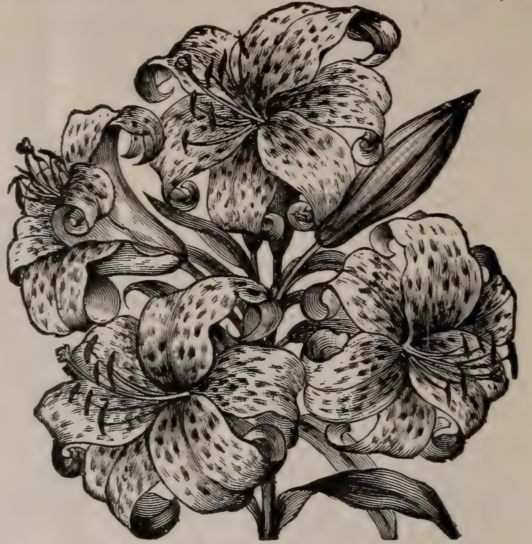
**Tigrinum fl. pl.** (*Double Tiger Lily.*) Very large, double flowers. Each, 10c; 3 for 25c; doz., $1.00. *Not prepaid*, each, 8c; doz., 80c.

### SPECIOSUM.—(*Hardy Japan Lilies.*)

*Of easiest culture. Once planted outdoors, there to stay.*

**Album.** Large, fragrant, pure white. *First size*, each, 20c; 3 for 55c; doz., $2.00. *Not prepaid, Large bulbs*, each, 15c; doz., $1. 50.

**Rubrum.** White, heavily spotted with rich crimson, fragrant. *First size*, each, 15c; doz., $1.50. *Not prepaid, Large bulbs*, each, 10c; doz., $1.00.



AURATUM LILY.

## MILLA BIFLORA. (Mexican Star.)

A group of them in bloom is very attractive. Flowers, star-shaped, waxy white, of great substance. They last for days when placed in water; fragrance delightful. Height, 12 to 18 in.

## LILY OF THE VALLEY.

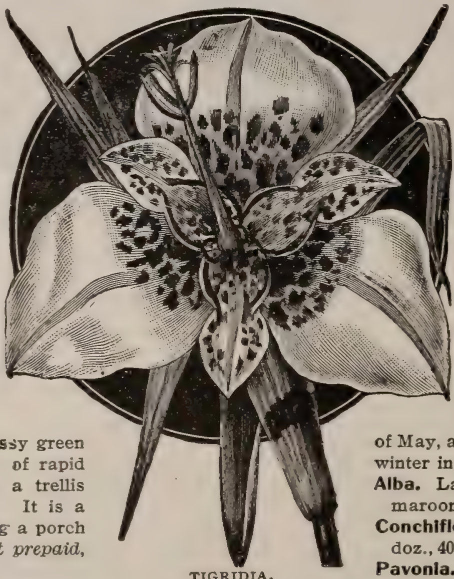
A well-known and universally admired spring flowering plant; flowers bell-shaped, freely produced and fragrant. To grow in open ground, select a partly shaded rather moist situation. A few clumps will start a bed that with little care affords an abundance of flowers and pleasure

**Clumps,** extra strong. Each, 35c *Not prepaid*, each, 25c; doz., $2.50.

> NOTE.—We do not send BULBS of any kind by mail until all danger of their freezing is passed, usually about April first.

## MADEIRA VINE.

Tuberous-rooted climber, with glossy green leaves and fragrant white flowers; of rapid growth. A few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each, 5c; doz., 50c. *Not prepaid*, doz., 30c.



TIGRIDIA.

## OXALIS. SUMMER BLOOMING.

The little bulbs are not much larger than peas, but quickly throw up a mass of pretty foliage and flowers; fine for beds, borders and edging; also for pots, baskets and vases. For edging, plant two or three inches apart.

**Dieppi.** Clover like foliage, white flowers. Doz., 10c; 100, 50c.

**Lasandria.** Fine, rose pink, beautiful cut foliage. This is the taller variety of the two. Doz., 10c; 100, 50c.

**PEONIES,** *see Plants.*

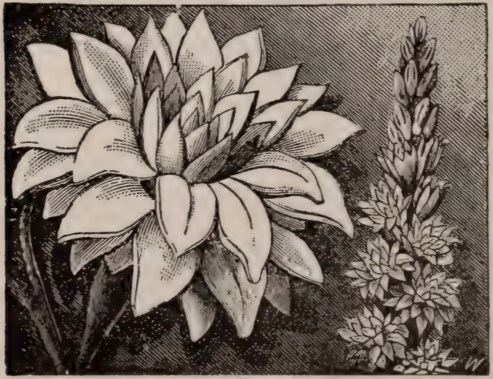
## TIGRIDA. (Shell Flower.)

Curious and beautiful shell-like flowers, about 4 inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May, and taken up in October and kept over winter in dry sand.

**Alba.** Large ivory-white flowers, spotted with maroon, rosy lake in center; each, 5c; doz., 40c.

**Conchiflora.** Yellow and orange; each, 5c; doz., 40c.

**Pavonia.** Red, crimson spot; each, 5c; doz., 40c.



# TUBEROSES.

One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots, or planted in open ground during the early days of May.

**Dwarf Pearl.** Stem about 2½ feet. Selected large bulbs. Each, 5c; doz., 50c; 100, *not prepaid*, $2.00.

**Tall Italian.** Grows 4 feet high. Large bulbs. Each, 5c; doz., 50c 100, *not prepaid*, $2.00.

## BULBS FOR WINTER BLOOMING.

We usually carry in stock during September, October and November, a complete assortment of Hyacinths, Tulips, Narcissus, Jonquils, Chinese Lilies, Crocus, Easter Lilies, etc. If you wish any of these, write us in the autumn and we will take pleasure in quoting you prices.

# Hardy Herbaceous Perennial Plants

## For Permanent Planting in Garden Borders, Cemetery Plots, Etc.

Plants of this class are perfectly hardy in the open ground, and die down *only* to the roots at the approach of cold weather. Once planted, they become a lasting pleasure. Failure with them is practically impossible. They succeed admirably upon all sorts of soil and in any situation that is not too greatly shaded. In preparing a bed or border for them, remember they are heavy feeders and are to remain undisturbed for years; and therefore make the soil rich and deep.

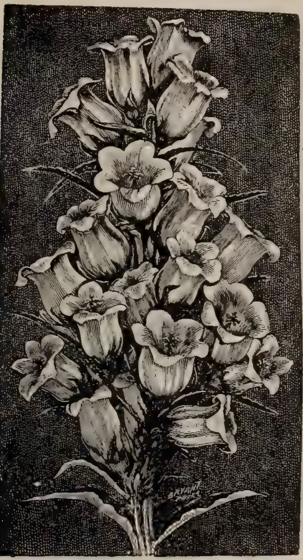
The price in all cases is for field-grown plants. Those of the larger size will give effects the same season as planted. Prices include delivery to **express or freight office in Chicago, but are not prepaid.**

### AQUILEGIA
(Columbine)

These are excellent border plants, blooming in May and June. Their flowers are spurred, and embrace a wide range in color—white, blue, red, and yellow. April to August. Valuable for cut flowers. 1 to 3 feet. Each, 15c; doz., $1.50.

### BLEEDING HEART
(Dicentra Spectabilis)

An easily cultivated plant, excellent for the border or cemetery. Grows about 2 feet high. Flowers rose colored, heart shaped, produced in early spring. Each, 15c; doz., $1.50. Large size, each, 25c; doz., $2.50.



### CAMPANULA media
(Canterbury Bells)

A favorite garden plant. Grows about 2 feet high, blooming freely in June and July. The beautiful bell-shaped flowers are white to deep purple. Mixed colors. Each, 15c; doz., $1.50.

### Chrysanthemum maximum
(Giant Daisy)

Forms bushy plants about two feet high. They thrive in hot sun, continuing in bloom all summer. Flowers are like the white daisy, but larger. An excellent and lasting cut flower. Each, 15c; doz., $1.50.

### COREOPSIS lanceolata

Golden yellow flowers produced the entire season. Each flower is borne on a long leafless stem. When cut, they will last in water for several days without fading. Height, 18 inches. Each, 15c; doz., $1.50.

### SHASTA DAISY

Graceful and elegant pure-white flowers with yellow centers; lasts a long time. In bloom from June to October. Extra fine cut flower, having long, stiff stems. Each 15c; doz., $1.50.

### DELPHINUM (Larkspur)

Delicate light to deepest blue. The hardy Larkspurs, with their tall spikes of flowers, produced continuously from June until fall, are much esteemed for cut flowers. We can supply them in mixed colors. Each, 15c; doz., $1.50.

### Dianthus Barbatus

See **Sweet William,** on page 71.

### DIGITALIS (Foxglove)

The tall spikes are thickly clustered with tubular flowers, ranging widely in color. Suitable for background for Sweet Williams. Each, 15c; doz., $1.50.

### FUNKIA or Day Lily

Ornamental and beautiful both in foliage and flower.

**Lancifolia.** Slender, lance-like leaves; flowers pale lilac. Each, 15c; doz., $1.50. Large size, each, 25c; doz., $2.50.

**Subcordata.** A fine old variety, with pure-white flowers and broad leaves. Likes a moist, shady situation. Price as above.

### GAILLARDIA

Unequaled for rich and constant display of bloom from June until frost.

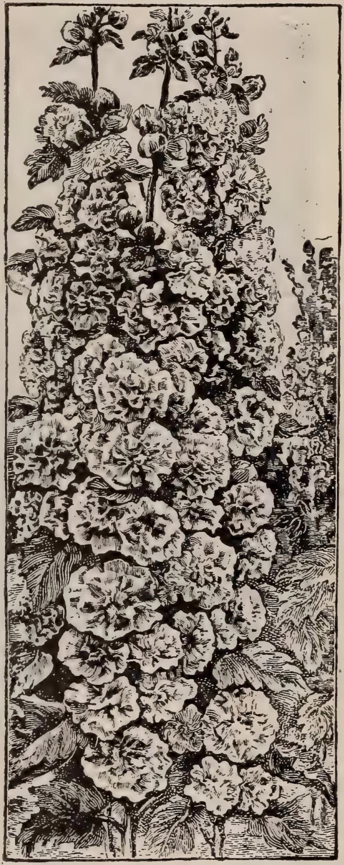
**Grandiflora.** Flowers very large; bronze-scarlet bordered with yellow. Makes beautiful cut flowers. Each, 15c; doz., $1.50.

### HELIANTHUS multiflorus

This hardy sunflower attains a height of about 4 feet. In August and September the plants are covered with bright double golden yellow flowers, much like Cactus Dahlia. Each, 15c; doz., $1.50.

### HIBISCUS ("Crimson Eye")

An immense white flower with a crimson eye. Perfectly hardy. Blooms freely from midsummer until killed by frost. Succeeds everywhere. Each, 15c; doz., $1.50. Large plants, each, 25c; doz., $2.50.



### HOLLYHOCK

Growing 5 to 6 feet tall, these plants produce a pleasing effect planted either in rows on the lawn or among shrubbery. We have young plants raised from best strains of double-flowered sorts in these colors: crimson, yellow, white, and pink. Each, 15c; doz., $1.50. Large plants, each, 20c; doz., $2.00.

### IBERIS (Candytuft)

Dwarf plants with evergreen foliage. In April and May they produce large quantities of flat heads of pure-white flowers. Fine for edging. Each, 15c; doz., $1.50.

### GERMAN IRIS

No garden is complete without some of these "Flags," as sometimes called. Foliage is bluish green, **broad** and luxuriant. Flowers are of various colors from pure white to dark purple. Some of them are fragrant. Mixed. Each, 15c; doz., $1.50.

**Three** of the most beautiful Hardy Plants are **Irises, Pæonies,** and **Phloxes.** We grow all of them on a large scale.

# PÆONIES

The fine and newer varieties listed on this page are very desirable and can not fail to please any cultivator. They represent the highest attainment in Pæonies and are the best of the originations of expert growers.

HERBACEOUS PÆONY

## Special Collection of Selected Pæonies

They may be planted either in spring or fall, preferably in early spring. Do not expect too much of them until well established.

**Each, 20c; dozen, $2.00, unless otherwise noted.**

Those priced per each only are net, and can be furnished in limited quantities. No less than six of a variety sold at dozen rate.

### Red Flowered Sorts

**Anna Swanson** (Terry). Large fringed flowers; bright crimson and rose; very desirable; midseason.

**Belle Hough** (Terry). Large flower; bright purplish crimson; midseason.

**Carnation** (Terry). Bright crimson throughout; outer petals broad; center finely fringed; a good variety; midseason.

**Grandiflora.** Beautiful light crimson; tall stems; late.

**Nigra.** Full double flower; the darkest crimson of any; long, willowy stems; blooms late.

**Potsii Alba Rosea.** Dark rose, center lighter with yellow stamens showing through; early.

### Straw-Colored

**Golden Harvest.** Soft pink guard, clear yellow collar with a tuft of creamy blush petals tipped red in the center; similar to Jeanne D'Arc. A very beautiful variety; very free bloomer; medium early. $1.00.

**Maggie Bradley** (Terry). Outside petals pure white; center straw changing to white; very delicate; midseason. 25c.

**Myrtle** (Terry). Very light creamy rose; a fine one. 25c.

**Princeps.** Straw color changing to white. Outside petals broad; inside fringed; early.

## PÆONIES—Continued

### White and Light

**Albatre.** White, lightly shaded ivory; carmine lines at the center; extra. 25c.

**Duchess de Nemours.** Very fine cup-shaped bloom, sulphur white with greenish reflex; fine bud; a very beautiful variety. 30c.

**Lady Darmouth.** Pinkish white; very light inner petals striped red; a lovely bud and a fine cut-flower; midseason. Small roots, 25c; medium size, 40c.

**La Tulipe.** Very large globular flower; flesh pink, shaded to ivory white; center petals tipped carmine, outside of guard petals striped carmine; tall vigorous grower and free bloomer; one of the best. 40c.

**Lutetiana.** Delicate light purplish pink, nearly white; full, double; strong robust grower; blooms early. 25c.

**Mrs. Douglas.** Pure white except the outside petals, which are slightly tinged with rose; center finely fringed; midseason. 40c; dozen, $4.50.

**Mrs. Rudd** (Terry). Broad outside petals; white; inside fringed and cream-color. 30c.

**Pallas** (Terry). Very pale purple and white; center finely fringed and tipped with white; late; a pleasing sort. 30c.

**Princess of Wales** (Terry). White mottled and variegated with rose; early. 30c.

### Pink and Light Pink

**Canary.** Guard petals fleshy white; yellow center. 30c.

**Claire Dubois.** Large globular flower of the finest pink, glossy reflex; one of the finest. $1.50.

**Delicatissima.** Flesh, passing to blush- white; full double; sweet scented; extra fine; very large; early. 45c.

**Delilah.** Delicate rose, changing to nearly white; free bloomer; a pretty one. $1.50.

**Eugene Verdier.** Large, very full cup-shaped bloom; flesh pink shaded yellow and salmon; nearly white; fine form; stiff heavy stems of medium height; late bloomer. $2.00.

**Humeii.** An old variety but still considered one of the very best late ones. Flower is immense, bending down the strong stems, which give the plant a sort of weeping habit; deep rosy pink, shaggy petals. 50c.

**Jules Elie.** Very large and full globular flower; finest glossy flesh pink deepening at the base of the petals; reflex silvery pink; broad overlapping petals; strong vigorous grower and free bloomer; probably the finest and most perfectly formed pink pæony in existence. $1.00.

**Marguerite Gerard.** Very large bloom with broad petals, flesh color, changing to very soft fleshy white; creamy white center; a most beautiful variety. $1.00.

**Marie Lemoine.** Enormous; very full bloom, sulphur white slightly shaded chamois; narrow carmine edge; very late; magnificent variety. 50c.

**Papaveriflora** (Lemon). Clear bright rose; center fringed; early midseason.

**Terry's Superba** (Terry). This flower never fails to attract attention, as it is without doubt one of the very heaviest blooming pæonies known. The foliage is almost obscured by the large light purple and white flowers which sometimes come in clusters of two and three. The outer petals are a soft purplish pink; the inner ones light straw, almost white. Midseason. 35c.

**Thomas Meehan** (Terry). Light rose edged with white; large flower; full double; one of the best early ones.

## JAPANESE IRIS (Iris Kaempferi)

### PLANTS WHICH SHOULD BE IN YOUR GARDEN

The magnificence of these Iris surpasses description. They begin to bloom in June and continue for weeks. Some of the flowers measure 7 to 9 inches across, all of them of great diversity of hues. The principal colors are white, lilac, lavender, deep blue, violet. Veined and mottled; each flower with a golden yellow blotch at the base of the petals.

They grow well in almost any location, but attain their best perfection in moist soil or if given abundance of water. Each, 25c; 6 for $1.25; doz., $2.25, not prepaid.

# Hardy Herbaceous Perennial Plants. Continued

**Lily of the Valley** No garden is complete without a clump or two of this well-known plant with its pure-white, fragrant flowers. It well repays good treatment. Well-decayed manure applied on the surface early in March will greatly increase the size, number, and quality of flowers. Field-grown clumps, especially suited for outdoor planting, which should be done before the end of April, if possible. Each, 30c; doz., $3.00.

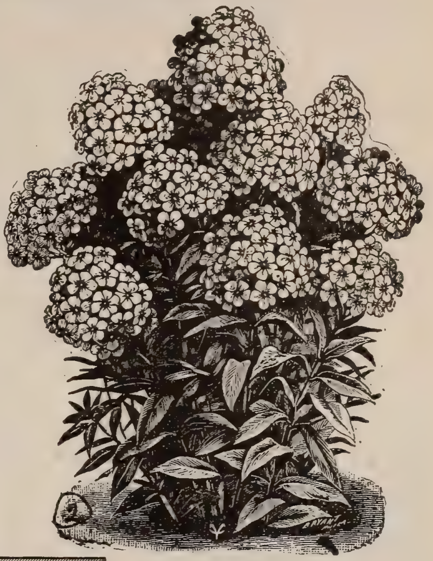
## Grand Hardy Phloxes

It is no exaggeration to say that Hardy Phloxes are the most satisfactory of all the border plants. They bloom with the greatest freedom from July until late in autumn. The improved varieties have enormous trusses, all bright and showy, the individual flowers three times the size of the old varieties, and the colors ranging from purest white to violet. With Perennial Phlox a show of brilliant flowers can be had for months, as they are perpetual bloomers. Our collection has been made with care.

Separate colors: White, Crimson, Pink, Rose; also in Mixed Colors. Each, 15c; doz., $1.50.

**Hardy Garden Pinks** These "Clove Pinks," so much used for edgings in old-fashioned gardens, bloom most profusely during May and June. They grow about a foot high, and bear double flowers resembling small carnations. We have both White and Red. Each, 15c; per doz., $1.50.

**Rudbeckia** **(Golden Glow).** A grand, good, hardy herbaceous plant of easy culture. Averages five to six feet in height, and forms large clumps in a year or two, which produce literally armfuls of rich, deep golden yellow flowers on long stems in beautiful contrast with its rich, dark-green foliage. A fine plant to grow in center of beds, along fences, or as a background for beds of Scarlet Sage or other scarlet-blooming plants. Each, 15c; doz., $1.50.



HARDY PHLOX

## STOKESIA

### The Cornflower or Stokes' Aster

**Cyanea.** The illustration does not do full justice to the flowers of this charming and beautiful plant, which blooms most freely from June until frost. The plant grows from 18 inches to 2 feet high. It is of the easiest culture, producing aster-like lavender-blue flowers which sometimes measure five inches or over. They make splendid cut flowers. Each, 15c; doz., $1.50.

### SUNFLOWER, Double

See Helianthus Multiflorus.

We can suggest to buyers (if given the opportunity) a good selection of hardy plants for succession in flowering. Tell us about how much you care to expend, or if choice is left to us, we will take special care to select satisfactory varieties.

If the plants you want are not named in our catalog, write us about them. We have other varieties (in limited quantities) than named here and will quote price.

CORNFLOWER ASTER

## SWEET WILLIAM

### (Dianthus Barbatus)

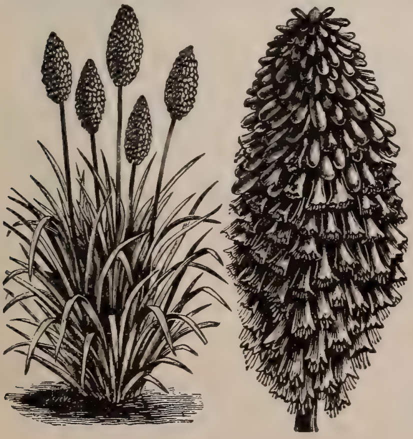
These old-fashioned favorites have always been one of our most prized border plants. They look well in large clumps. There is a great variety of rich colors, and the flowers are very fragrant. Our plants are grown from a very select strain of seed. Each, 15c; doz., $1.50.

## TRITOMA

### (Flame Flower or Torch Lily)

Splendid summer and fall-flowering plants, with stately flower scapes and magnificent dense terminal spikes of high-colored flowers, familiarly known on account of their shape and glowing colors as the "Red-hot Poker" plant.

**Pfitzerii.** The flower spikes, which are produced with considerable freedom, are of gigantic size, frequently 4½ feet high, with heads of bloom over 12 inches long, of a rich orange-scarlet, shading to salmon-rose on the edge; a first-class acquisition. Needs protection during winter in Northern States. Each, 15c; doz., $1.50.



TRITOMA PFITZERII

**Vinca** **(Periwinkle or Trailing Myrtle).** A dwarf plant with evergreen leaves, indispensable for covering ground under shrubs and trees. Also made use of largely in cemeteries for grave decoration. Hardy everywhere. Pretty blue flowers. Each, 15c; doz., $1.50. Large plants, 25c; doz., $2.50.

## Yucca Filamentosa (Adam's Needle).

A tropical looking plant, with long, sword-like leaves which remain green the entire year; flower stem three to four feet high, bearing a large spike of cream-white, bell-shaped flowers that retain their beauty and fragrance a long time; in fact, through June and July. A fine plant for cemetery, lawns, background of beds and borders. Each, 15c; doz., $1.50. Large plants, 25c.

**. . A Plea for . . Hardy Perennials** A well-known nurseryman says: "Aside from lasting endurance, Hardy Perennials possess the valuable properties of succeeding in almost every soil; they can be planted with pleasure and profit in grounds of the most limited extent (a few square feet can be made to yield a bouquet every day from April until December); and results come quickly—in a few weeks, at most, from planting. It should not be overlooked that the flowers of a large number of kinds remain in good condition for a long time after being gathered, and their long, graceful stems, together with their delightful fragrance, render them the choicest flowers for decorating the dining table, the parlor, or for adding cheerfulness to the sick-room."

# Hardy Roses—Hybrid Perpetual and Everblooming

More than two hundred varieties of Hybrid Perpetual Roses are listed by one of the largest nurseries in the United States, and the number is constantly being increased. Many well-known favorite Roses of this class safely endure the winter south of Philadelphia, but are not sufficiently hardy for the western and northwestern latitudes. We have selected a few that are among the best and most hardy.

Roses should be planted in the spring just as soon as the ground can be worked, and carefully handled, as they are plants that need attention when planted. Select a good sunny location where the soil is well drained, and should the soil be heavy or clayey, some sand should be put with it. A good plan is to take out the soil from 18 inches deep to 2 feet, and in the bottom place from 10 to 12 inches of well-rotted cow manure and sod, then place the black earth that was taken out, on top of this.

In planting Dormant Roses (nearly all of which are grafted plants) care should be taken to have the budded part set two or three inches below the surface of the ground, and the soil pressed firmly about the stem. Dormant plants produce better flowers and make stronger plants than those grown from cuttings. Plant fifteen to eighteen inches apart.

Before winter sets in the bushes should be covered, and the best method is to dig a small trench close to the plant, by setting a spade 6 to 8 inches back of the plant and pushing it into the ground about 10 inches, cutting off the roots, then push the plant bodily into the trench and cover same with building paper three or four thicknesses, using earth to hold it in place.

The plants offered herein are field-grown and dormant. They can be planted as soon as frost is out of the ground. They are large and bulky, and not to be compared with small plants out of pots. From their size, we can send them **only by express or freight. The purchaser pays the transportation charges.** Having no soil on the roots and being dormant, they can be sent at low cost by express.

**Early placed orders are advantageous to you and materially aid us. Please order earlier than April 15th, before the plants leaf out.**

## Hybrid Perpetual Roses

These are the June Roses, so admirably suited for gardens. They are of easy culture and luxuriate in a deep, rich soil. They are benefited by mulching of leaves or strawy manure placed around the roots in fall. In May and June these Hardy Garden Roses are brilliant with large, perfumed flowers of richest color. Many of those offered in the list below give occasional flowers through the summer and again in autumn. Supplied during spring months.

**Purchaser's selection from list below: Two-year-old field-grown plants, each 40c; doz., $3.50.**

**American Beauty.** Very fragrant, deep rose, in center shaded with crimson. In size, color, and form it has no equal. Wherever this rose is known, and that is almost everywhere, it is prized more than all others.

**Baron de Bonstettin.** Dark red, almost black.

**Clio.** The flowers are perfect in form, with fine, broad petals, and are beautiful at all stages of development; color, delicate satin blush, with a shading of rosy pink at center.

**Frau Karl Druschki.** There is nothing in the line of perfectly hardy roses that can compare with this one in form, color, and general beauty. It is a handsome plant of strong, upright growth, and bright, heavy foliage. The bloom is a pure paper white, of large size, borne upon long stems. A grand rose.

**General Jacqueminot.** The well-known "Jack Rose." Rich, velvety, crimson flowers. They are not very full, but are large, unusually fragrant and admired by everybody.

**Mme. Plantier.** Pure white; a favorite for cemetery decoration. Hardy as an oak.

**Magna Charta.** Bright pink and carmine. A general favorite, prized on account of its strong upright growth and bright healthy foliage, as well as for its magnificent bloom.

**Mrs. John Laing.** Beautiful soft pink, large. Fragrant and one of the freest bloomers.

**Paul Neyron.** Immense deep pink. Best of its color. Very large flower; is, moreover, a good strong grower, with nice almost thornless stems, which almost attain six to seven feet in a single season.

ROSE—FRAU KARL DRUSCHKI

### Hybrid Perpetual Roses—Continued

**Prince Camille de Rohan.** Rich deep velvety crimson, passing to intense maroon, shaded black, flowers large, handsome and freely produced.

**Ulrich Brunner.** Cherry red flowers. Large and full. A good strong grower that always does well. One of the best varieties for forcing or open air culture.

## Hybrid Everblooming Roses

They are early flowering, and bloom continuously through the summer and some of them until early fall. Plant them when danger from frost is past. **Two-year-old plants, field-grown, each 40c.**

**Gruss an Teplitz.** One of the very best Roses for the garden. Bright crimson with fiery red center; cup-shaped, semi-double, flowers in clusters. A profuse bloomer.

**Hermosa.** Double and fragrant; clear bright pink.

**Killarney.** A lovely variety of great merit. Flesh shaded white suffused pale pink; long, pointed buds. More than ordinarily hardy.

**For Hardy Climbing, Moss, Tree, and other Roses, see next page.**

# Hardy Climbing and Other Roses

The Plants of this class of Roses are used for covering trellises, walls, pillars, etc. They may be planted out as soon as ground is free from frost. Climbing Roses grow with great rapidity, are perfectly hardy, and produce flowers in large clusters. Some other desirable Roses are also named below.

**Prices are for field-grown plants, delivered to freight or express office in Chicago but not prepaid. 2-year-old, each, 40c; doz., $3.50.**

## Old Favorite Climbing Roses

**Baltimore Belle.** Literally a sheet of fragrant, pale-blush, blooming in early summer. An old favorite.

**Persian Yellow.** Finest hardy yellow rose in cultivation.

**Queen of the Prairie.** A distinct rose, with deeply sunken center, making a cup-shaped rose of much beauty.

**Seven Sisters.** Large clusters of roses shaded from white to crimson, no two alike in cluster. Fine and odd.

## Hardy Rambler Roses

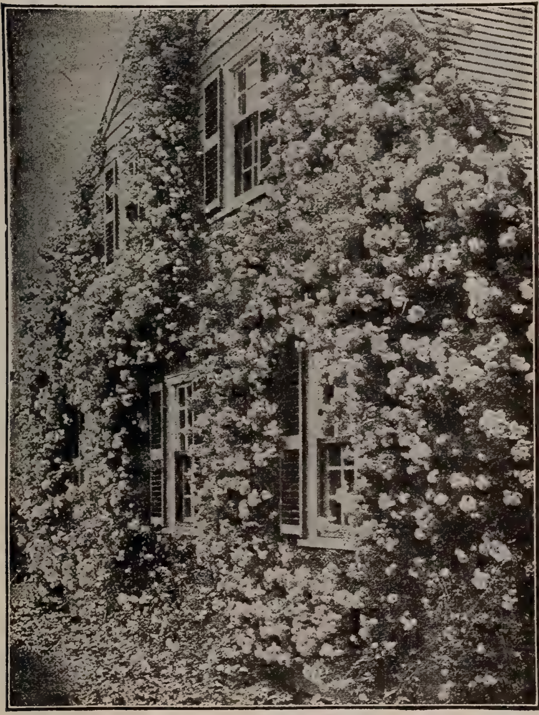
**Crimson Rambler.** As a climbing or running rose it has no equal. The foliage is rich, dark green; the growth rapid and diverse, but its great beauty is when the plant is covered with a profusion of the brightest crimson, partly double flowers which remain on a long time.

**Yellow Rambler.** Flowers medium size, cup-shaped, nearly full, sweet-scented; blooms in large clusters; color very light yellow.

**White Rambler.** Flowers are the size of a silver quarter, perfectly filled, very fragrant; color pure white, sometimes tinged with blush.

**Pink Rambler.** Like the white, this resembles the yellow, excepting as to color.

**Dorothy Perkins.** A new variety of Pink Rambler, and rivaling the Crimson Rambler in vigor of growth and freedom of bloom. Countless clusters of double pink flowers of a most beautiful shade. Is very hardy.



NEW ROSE, TAUSENDSCHON

**Tausendschon** The flowers are borne in large clusters from June to August. Each flower measures about one and a half inches in diameter, and is of a beautiful soft rose-color, changing to rosy-carmine. The plant is of strong, vigorous growth, perfectly hardy, and a good variety to plant where a strong climber is desired. This rose is nearly thornless.

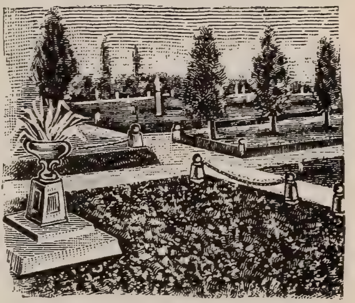
*NOTE—Above offered Roses hereon are strong, vigorous plants, are guaranteed to reach you in good order. Purchaser has to pay charges, whether sent by express or freight.*

## Baby or Dwarf Crimson Rambler

This beautiful novelty produces clusters of flowers as large as the old Crimson Rambler. The color is a charming brilliant red, and it blooms with great profusion. A splendid bedding variety, hardy and in bloom continuously throughout the summer.

## Japanese Trailing Roses

Although their natural inclination is to trail, the vines may be trained to grow upright. Their most important use is a ground cover, where they produce their flowers in great profusion. These roses are distinct from all others. They are of such grace and beauty as to make them universal favorites. We offer only the best one of the class. Field-grown plants, 2 years old, each 40c.



**Memorial Rose** (Wichuraiana). Because of its trailing habit and hardiness, this rose is much used in cemeteries for covering graves. Foliage is shiny green, insect proof; even in winter the plant is almost constantly clothed in green. Flowers pure white with yellow stamens.

We wish here to direct attention to another fine Rose for the cemetery—Madame Plantier. Blooms once a year, in June; pure white fragrant flowers.

## Rosa Rugosa (Japanese Rose)

Few shrubs are so ornamental as this. It forms a sturdy bush, 4 to 5 feet high, covered with large, dark-green, glossy foliage, crowned with terminal clusters of ten to twenty flowers, each three inches in diameter. Perfectly hardy. A valuable plant for the hardy border or shrubberies, its large, handsome, scarlet fruits being very ornamental all through the autumn and early winter months. It also makes a splendid hedge, its foliage being impervious to the attacks of insects of all kinds. 18 inches to 2 feet, each 50c; 2 to **3** feet, each 60c.

## HARDY MOSS ROSES

"The charm of a Moss Rose is the bud."

**Crested Moss.** One of the most beautiful Roses. The open flowers are very bright and of the most delicious fragrance. Color, a rich glossy pink, tinged crimson; large and globular. The buds are covered with beautiful green moss.

**Blanche Moreau.** Pure white, sometimes shaded with rosy blush; full and perfect in form.

**Salet.** One of the very best Moss Roses grown. Flowers are of medium size, flat form, and produced in great profusion. Color, beautiful light pink.

**Large field-grown plants by express, 40c each.**

## TREE OR STANDARD ROSES

The Tree Roses are grafted on hardy rose stalks four to five feet high, are tree shaped, and when in full bloom, are objects of beauty, making handsome plants for the lawn or rose border. In this shape we offer only the Hybrid Perpetual and hardy classes. We have them in white, the different shades of pink, red and crimson. Fine, strong trees that will bloom nicely the first year.

By express or freight, not prepaid, each $1.00; 3 for $2.50.

*All Roses on the two pages are in dormant condition. They may be planted as soon as ground is free from frost. Having no soil adhering to the roots, we can pack them lightly and ship by express at 20 per cent less than regular express charges for merchandise.*

# Hardy Climbing and Trailing Plants

Climbing Vines thrive and flower in any garden soil, and, once established, do not require any extra care. All of those named upon this page are hardy; that is, they live outdoors all winter, starting again anew the following spring to clothe with verdure and beautiful flowers any object upon which they may be trained. They can be supplied any time after frost is out of the ground, say early in April, or in late fall.

**All of the plants are two and three years old, in strong, healthy condition. Prices named after each variety include packing. Shipments will be made as desired, by express or freight. The buyer pays the transportation charges.**

## AMPELOPSIS (Boston Ivy, Woodbine)

**Veitchii.** Desirable climber for covering walls, as it clings to the smoothest surface, clothing it during the summer with deep-green leaves which in autumn change to bright yellow and crimson. Young plants, each, 15c; 2-year-old, 20c; 3-year-old, 35c.

## Ampelopsis Quinquefolia (Virginia Creeper)

A native vine sometimes called Five Fingered Ivy. A rapid grower, of sturdy growth. Its leaves are larger than those of Boston Ivy. In fall they turn to bright crimson. Each 25c; extra large, 50c.

## ARISTOLOCHIA SIPHO (Dutchman's Pipe)

This plant, on account of its rapid growth and large heart-shaped leaves, is suitable to cover arbors and for screens. Bears brownish flowers, the corolla of which resembles a miniature pipe. Large plants, 50c.

## BIGNONIA Radicans (Trumpet Vine)

Useful to cover dead trees and other unsightly objects. Clings to bark or walls with tenacity. Foliage fern-like; flowers orange-scarlet, trumpet-shaped, borne in clusters. Blooms in August. Bignonias will grow in almost any soil, and are hardy, except in the coldest climates. Each, 25c; large plants, 50c.

## CELASTRUS SCANDENS (Bittersweet)

A native climbing or trailing plant with large leaves; yellow flowers in May or June, followed in the fall by clusters of orange colored berries. Each, 25c; large plants, 50c.

## CLEMATIS (Virgin's Bower)

Clematis when in bloom are great embellishments to porches and verandas. These plants succeed best when grown in a deep, rich, sandy loam. The roots should be mulched with manure in winter. Failures with Clematis are frequently the result of shallow planting. We offer a selection of the best, large-flowered sorts suited to our climate. They are all **extra large plants for immediate effect. Price, each, 45c; 3 for $1.25, by express.**

**Jackmanni.** Blooms until cut off by frost; rich, deep velvety purple. A grand and well-known sort.
**Jackmanni Alba.** A white-flowered form of the above.
**M. Koster.** A much admired rosy pink.
**Miss Bateman.** Pure white with chocolate anthers.
**Ville de Lyon.** Beautiful bright velvety crimson.
**Gipsy Queen.** Dark, velvety purple; blooms very freely.
**Henryi.** Large; single, creamy white; very strong grower.

### CLEMATIS PANICULATA

A valuable introduction from Japan that differs from all the foregoing. It is a strong, luxuriant grower, with pretty foliage. At the end of August the vine is covered with star-shaped, pure white flowers of delightful fragrance. Each, 50c; larger, 75c; extra large, selected plants, $1.00.

## HONEYSUCKLE (Lonicera)

The vines make rapid growth in almost any soil or location. Honeysuckles are valuable for training to posts, on verandas and along fences.

**Hall's Japan.** A strong-growing, almost evergreen sort; flowers pure white, changing to yellow; fragrant. Covered with flowers from July to November. Each, 35c; large plants, 50c.

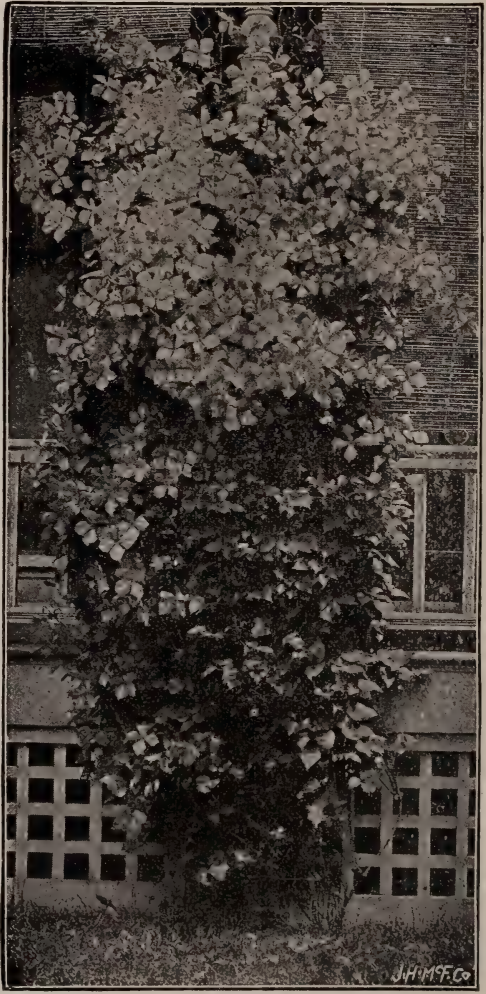
**Monthly Fragrant.** Red and yellow, very fragrant; blooms all summer. Leaves tinged with reddish color. Each, 35c; large, 50c.

**Scarlet Trumpet.** Bright red, trumpet-shaped flowers. Blooms very freely the entire season. Each, 35c; large plants, 50c.

**Yellow Trumpet.** Each, 35c; large plants, 50c.

*The Upright or Bush Honeysuckles are to be found in the class of Hardy Shrubs.*

**Orders for Shrubbery should reach us if possible by April 1st, and not later than the end of the month, as by that time the plants have begun to leaf out.**



LARGE-FLOWERED CLEMATIS

## MATRIMONY VINE (Lycium Chinensis)

A vigorous climber, covered from June to September with star-shaped purple flowers, succeeded by scarlet berries. Each, 25c; large plants, 50c.

### PERIPLOCA (Silk Vine)

Will twine around a tree or other support to the height of 30 to 40 feet. Foliage glossy and purple brown flowers. Strong vines, Each, 35c.

### AKEBIA QUINATA

Will climb 10 or more feet in a season. Fine foliage; purple flowers, ornamental fruit. Strong vines. Each, 50c.

### CHINESE WISTARIA

**Sinensis.** The favorite variety, producing thousands of pendulous clusters of delicate violet blue blossoms, richly perfumed. Large plants, 50c.

**Alba.** Of similar habit to Sinensis. Pure white flowers. Large plants, each 50c.

# Flowering and Ornamental Hardy Shrubs

SHRUBBERY is of the greatest value and importance in adorning the home grounds, imparting to them a finished and artistic appearance which can not otherwise be produced. There is nothing that will so quickly, and for the cost, add so much beauty to the surroundings.

Shrubs are not particular as to location; once planted, they are there to remain. as they endure. The time of bloom of the different varieties extends over nearly the whole season, though the greatest show is to be expected in spring and early summer. The variegated and golden-leaved sorts, together with those which bear ornamental fruit, make a greatly varied display. Our list includes the best, well-tried kinds, and affords a good selection to choose from.

**Shrub orders amounting to $5.00 or more include prepaid delivery within the limits of Chicago by express or freight. All others are shipped at the buyer's expense of transportation. Be sure to tell us how to ship — express or freight.** In absence of instructions we decide the route.

**Almond** **Flowering.** A beautiful shrub bearing in early spring small double, rose-like flowers. We have both **White** and **Pink,** at same price. 1½ to 2 feet, each 40c; 2 to 3 feet, each 50c.

**Althea** **(Rose of Sharon).** We have them in these colors: Double Red, Double White, Double Purple. They are excellent plants for hedges, or even to grow singly or in clumps. Bloom in August and September. 1½ to 2 feet, each 35c; 2 to 3 feet, each 45c; 3 to 4 feet, each 60c.

**Variegated Leaved.** Marked with green and yellow. Same price as above.

## Barberry (Berberis)

They bloom in summer and the flowers are succeeded by bright-colored fruit lasting till early winter. All the Barberries make excellent hedge plants. They are hardier than most Privets. For price on Privets in several varieties, see Hedge Plants.

**Thunbergii** or Japan Barberry. Of very dense growth. Branches are covered with small thorns. Never needs trimming. Foliage turns crimson in the fall. Scarlet berries remain all winter. 18 inches to 2 feet, each 35c, doz. $3.00; 2 to 3 feet, each 50c, doz. $5.00.

**Vulgaris.** Green-leaved; slightly taller than the Japanese variety. 18 inches to 2 feet, each 25c; doz., $2.50. 24 to 30 inches, each, 40c; doz., $4.00; 3 to 4 feet, each 50c; doz., $5.00.

**Purpurea.** Purple-leaved; grows 3 to 5 feet high. May be trimmed to any height desired. Violet-colored foliage and berries. 18 inches to 2 feet, each 20c, doz. $2.00; 2 to 3 feet, each 30c, doz. $3.00; 3 to 4 feet, each, 50c, doz. $5.00.

**BURNING BUSH.** See under Strawberry Tree.

**CALIFORNIA PRIVET.** See Hedge Plants. page 77.

## Calycanthus (Alspice, Sweet-Scented Shrub)

It blossoms in June and at intervals afterwards. Has handsome, rich foliage; flowers chocolate, having a peculiar agreeable odor. 18 to 24 inches, each 35c; 3 to 4 feet, 50c.

## Cornus (Red-Twigged Dogwood)

A strong-growing shrub, bearing clusters of white flowers in June. Ornamental in winter, when the stems and branches turn blood-red. Valuable for planting either single or in masses. Thrives nearly as well in shade as in the open.

**Sibirica.** Coral-red branches. 2 to 3 feet, each 35c; 3 to 4 feet, each 50c; 4 to 5 feet, each 75c.

**Sanguinea.** Crimson-colored branches; black berries. Same prices as Sibirica.

**Aurea.** Valuable on account of its bright yellow bark. 2 to 3 feet, each 35c; 3 to 4 feet, each 60c.

**CRAB, Double Flowering.** See under Trees, page 80.

**CURRANT, Flowering** (Ribes). See following page.

## Cydonia Japonica (Japan Quince)

These rank among the choicest of flowering shrubs. Bears pruning into any desired form. As specimen shrubs they are very attractive; also fine for borders or groups. The large, brilliant bright red flowers appear early in spring, before the leaves, and cover every branch with bright glossy green foliage all summer. Splendid hedge plant. 2 to 3 feet, each, 40c; 3 to 3½ feet, each 60c.

DEUTZIA LEMOINEI

## Deutzias

A very ornamental and popular shrub with showy white or blush flowers appearing in tassel-like clusters in spring or early summer. Slender, arching branches. Thrives in almost any well-drained soil and are well adapted to borders and shrubberies. D. Lemonei is the hardiest, while D. Gracilis and Pride of Rochester require light protection.

**Lemoinei.** Spreading shrub, 3 feet high. Pure white flowers in broad clusters. More vigorous, hardier, and with more showy flowers than Gracilis. 18 to 24 inches, each 35c; 2 to 3 feet, 50c.

**Gracilis.** Low growing; 3 feet high with slender arching branches; bright green leaves; snow-white flowers in May and June. Light, each, 35c; heavy, each 50c.

**Pride of Rochester.** Grows to 6 feet. Blooms in May in advance of the others. Very large, double white flower. 2 feet, each 35c; 3 to 4 feet, each 50c.

**Watereri.** Single, bell-shaped pink flowers. 2 to 3 feet, each 25c; 3 to 4 feet, each 50c.

**Elder** **(Sambucus).** Admired for their beautiful leaves as well as the flowers and fruit. They bloom in June. Require vigorous pruning to keep in shape.

**Golden Elder.** Yellow leaves. 2 to 3 feet each 35c; 3 to 4 feet, each 50c.

**Cut-leaved Elder.** Deep green foliage, delicately cut. Same prices as above.

**Forsythia** Shrubs of medium size, produce double yellow flowers in early spring before the leaves.

**Fortungi.** Erect branches and broad green leaves. 2 to 3 feet, each 40c; 3 to 4 feet, each 50c.

**Suspensa.** Of weeping habit. Prices same as Fortunei.

**Intermedia.** Slender, arching branches, narrow leaves. 18 to 24 inches, each 25c; 2 to 3 feet, each 50c.

**HIGHBUSH CRANBERRY.** See **Viburnum Opulus.**

**Hydrangea** These handsome shrubs are now considered quite indispensable in any garden. They are very easy of culture and succeed well in any rich soil.

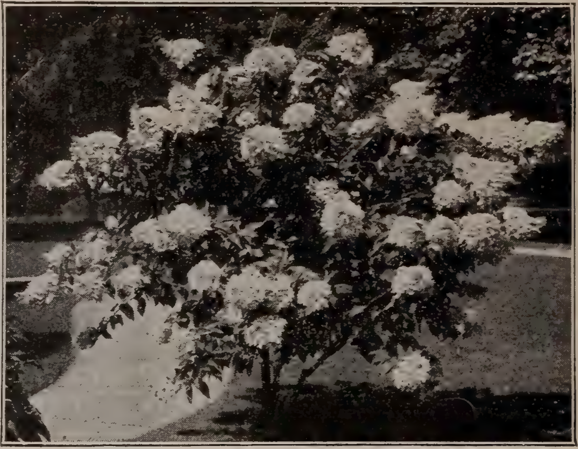
## Everblooming Snowball Hydrangea

**Arborescens** (Snowball Hydrangea) The snow-white blooms are much like the Snowball flower, but larger and more attractive. The habit of the plant is excellent, the foliage finely finished. One of the most valuable characteristics is its coming into bloom just after the passing of all the early spring shrubs, while its long flowering season, from early June until late August, makes it a valuable acquisition in any garden. Medium plants, each 50c; heavy plants, each 75c.

## Hydrangea, Paniculata Grandiflora

LARGE PANICLE-FLOWERED HYDRANGEA

**Paniculata Grandiflora.** The most popular and widely planted shrub in cultivation. Adapted to any part of the country, perfectly hardy, stands heat and cold remarkably well. For the cemetery there is no better shrub. Grows 8 to 10 feet high; blooms from August until frost. The flower panicles are frequently nearly a foot in length, white when they first open, afterwards changing to rose, remaining in good condition for weeks. To secure best effects this shrub should be planted in masses or with a background of other shrubbery. 2 to 3 ft., each 50c; 3 to 4 ft., each 75c.

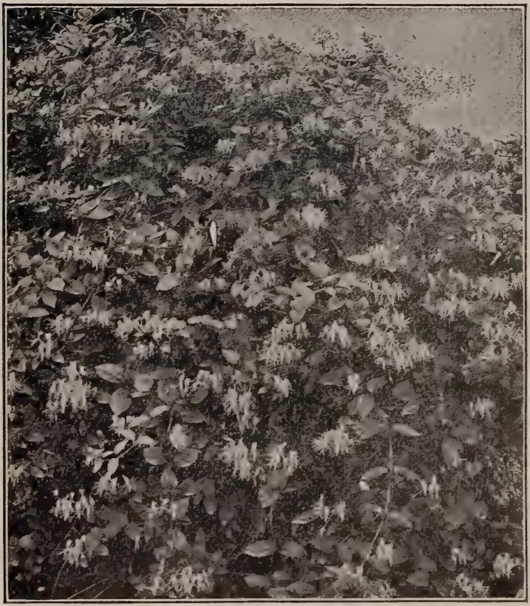


HYDRANGEA PANICULATA GRANDIFLORA

**Paniculata.** (Tree form). The plants we offer are trained to a straight stem, having a bushy top. Grown in this way, they make handsome specimen plants on the lawn. In two sizes, each 75c and $1.00.

## HONEYSUCKLES

For real home vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles. The foliage is pretty, neat, and clean; the flowers are almost continuous, and their fragrance delicious. The Climbing Honeysuckles are offered on page 74.



BUSH OR UPRIGHT HONEYSUCKLE

**Bush Honeysuckle** **(Lonicera Tartarica.)** Plants of erect, shrubby habit, valuable for their white or pink flowers and the berries which follow after. They are among the most attractive of shrubs. Useful to plant for a division line between city lots. Height, 10 to 15 feet.

**Tartarica.** Pink flowers in May. Covered with orange-colored berries. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c.

**Morrowii** (Japanese Bush Honeysuckle). Grows 4 to 6 feet tall. Vigorous grower with wide-sprtading branches carrying snow-white flowers in May and June, followed by red fruits. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c.

**INDIAN CURRANT.** See Red Snowberry.

**LIGUSTRUM.** See Privet, on next page.

## THE LILACS (Syringa)

Lilacs stand more neglect, heat or drouth without showing any bad effects, than any other plant, and there is hardly any other shrub that can take their place as ornamental plants for borders, etc. They bloom in early spring.

**Persica** (Persian Lilac). Flowers pale lilac, dwarf growing sort, with slender branches and narrow leaves. Pale lilac fragrant flowers in spring. 2 to 3 ft., each 40c; 3 to 4 ft., each 65c; heavy, 75c.

**Vulgaris** (Common Lilac). The fine old purple-flowered variety. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

**Vulgaris Alba.** White-flowered common lilac. 2 to 3 ft., each 45c; 3 to 4 ft., 60c; 4 to 5 ft., each 75c.

**Philadelphus** **(Mock Orange).** This fine old shrub which in some localities is known as Syringa, is a universal favorite. All the varieties flower in June after the Weigelia. The pure-white, sweet-scented flowers are fine for cutting. These shrubs grow tall; they are valuable for backgrounds and screens.

**Coronarius** (Garland Syringa). Grows 8 to 10 feet high. One of the earliest. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c.

**Aureus.** Medium in height. Foliage golden yellow. Bushy, each 40c; heavy, each 60c.

**Grandiflorus** (Large-flowered Syringa). Grows 10 feet high. In June bears large, showy, slightly fragrant flowers. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c; 4 to 5 ft., each 65c.

**Prunus** **(Flowering Plum).** A strong-growing shrub which in May is decked with very double, light-pink blossoms. 2 to 3 ft., each 60c.

## Rhus or Sumac

Sumac grows readily and easily under almost any conditions. Any one familiar with their beautiful fern-like foliage and gorgeous autumn colors can appreciate their utility for planting out.

**Copalina** (Dwarf Sumac). Shining green foliage which turns crimson in fall. Each, 50c.

**Glabra laciniata** (Cut-leaved Sumac). Very dwarf. Has shining bark; beautiful finely-cut leaves. One of the rare novelties. Each, 50c.

**Typhinia laciniata** (Cut-leaved Stag Horn Sumac). 1 to 2 ft., each 25c; 2 to 3 ft., each 40c; 3 to 4 ft., each 65c.

## Ribes (Flowering Currant)

Prized for their wealth of fragrant, small, bright flowers in early spring. Much used in shrubberies.

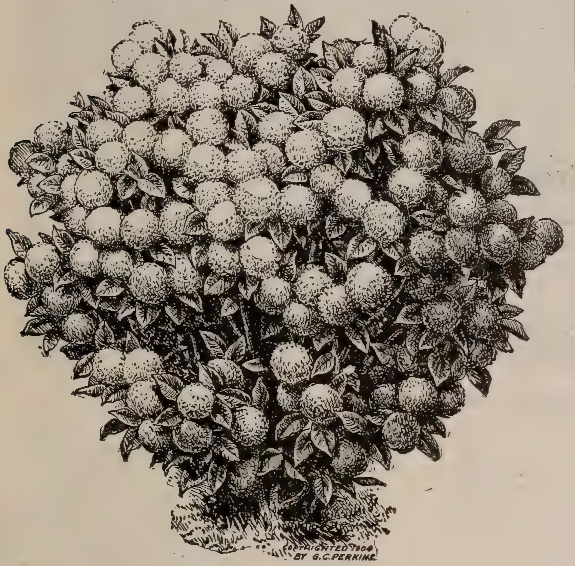
**Missouri Golden.** Spicy yellow flowers in May. 2 to 3 feet, each 35c; 3 to 4 feet, each 50c.

## Snowball (Viburnum)

A superb much-admired shrub, bearing, in June, great clusters of white flowers in the form of a snowball. They are perfectly hardy, grow quickly, and are remarkably free from attacks of insects.

**Opulus.** (High or Bush Cranberry). Pure white flowers in clusters, followed by red berries. Grows 8 to 10 feet high. Both useful and ornamental. Heavy plants, 75c.

**Opulus Sterilis.** The common Snowball or Guelder Rose. Broad and handsome leaves. Grows to large size. In May covered with globular clusters of pure-white sterile flowers.



SNOWBALL

**Plicatum** (Japan Snowball). The best of the Snowballs. Moderate in growth. Handsome pleated foliage; pure white globular flowers; heads produced all over the bush. Surpasses the common variety in several respects. Habit is better, foliage much handsomer, flowers more delicate.

Any of the three varieties, 2 to 3 feet, each 35c; 3 to 4 feet, each 50c.

## Symphoricarpus (Wax Berry)

Grows from 3 to 6 feet high. They are useful to plant in shady places or where little else will grow. Berries hang on all winter. Hardy and very ornamental.

**Racemosus** (Snowberry). Red flowers, white berries. 2 to 3 feet, each 35c; 3 to 4 feet, each 50c.

**Vulgaris** (Coralberry, Indian Currant). Smilar to above; purplish red berries. 18 to 24 inches, each 20c; 2 to 3 feet, each 35c; bushy, each 50c.

**Variegated Leaved.** Leaves marked with yellow and green. Nice plants, each 35c.

## THE SPIREAS

This class of shrubs offers a great variety both in flowers and foliage. They are all of easy culture and rapid growth. They amply repay the planter with an abundance of beautiful flowers. There are both tall and dwarf sorts.

**Anthony Waterer.** Of dwarf growth; blooms all summer. Color, bright crimson. 12 to 18 inches, each 30c; 18 to 24 inches, each 40c; bushy, each 50c.

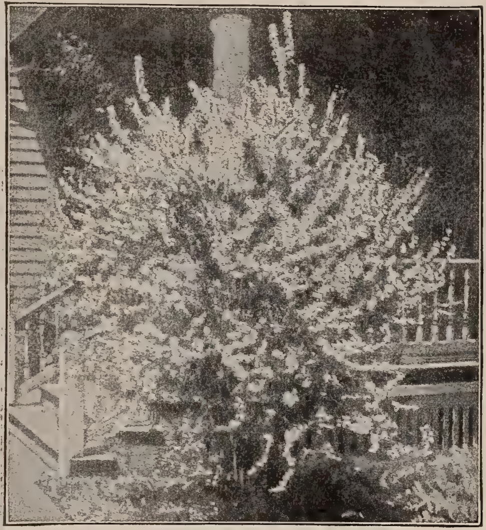
**Arguta.** Graceful, dwarf habit. Pure white flowers in May. 18 inches to 2 feet, each 30c; 2 to 3 feet, each 40c.

**Billardi.** Strong growing. July and August. We have both white and pink flowered. 2 to 3 feet, each 35c.

## The Spireas—continued

**Opulifolia** (Ninebark). Medium growth. Clusters of white flowers in June. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c.

**O. Aurea.** A variety of above with golden tinted foliage. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c; heavy, each 65c.



SPIREA VAN HOUTTEI, "BRIDAL WREATH"

**Van Houttei** ("Bridal Wreath"). This is the most satisfactory shrub in cultivation. It is the best variety of the Spireas. The bush is round and graceful, with long, thin, arching branches. When in bloom these branches droop to the ground and the flowers cover the stem so that the bush resembles a great snow drift. Very hardy. 2 to 3 ft., each 35c; 3 to 4 ft., each 50c; nice specimens, each 75c up.

## Tamarix

**Africanus.** Strong, slender, upright shrub with feathery foliage like Asparagus. Bears pink flowers in May. Useful for backgrounds of shrubbery borders. 3 to 4 feet, each 50c.

## Weigelia

Shrubs of erect habit while young. They gradually spread and droop as they grow older. Their time of blooming is after the lilacs are gone, and they produce large trumpet-shaped flowers of all shades and colors from pure white to red.

**Candida.** Snow-white flowers in June and July.

**Rosea.** Fine rose-colored flowers; one of the best.

**Variegata.** Dwarf in habit; flowers rose-blush, smaller than the others; silvery, variegated foliage.

**Eva Ratke.** The finest Weigelia in cultivation. Trumpet-shaped, carmine-red flowers.

Any of the four varieties, 2 to 3 feet, each 40 cents; 3 to 4 feet, each 60c.

## PLANTS FOR HEDGES AND SCREENS

Arbor Vitæ, Barberries, Tartarian Honeysuckles, and Japan Quince, already described, make good hedge plants. Privet hedges are universally known and generally used. There are several varieties. Space does not permit description.

**PRIVET, Amoor.** 18 to 24 in., each, 25c; doz., $2.25; 100, $15.00. 2 to 3 ft., each, 30c; doz., $3.00; 100, $20.00. 3 to 4 ft., each 50c; doz., $5.00; 100, $30.00.

**P. Californian.** 2 to 3 ft., each, 15c; doz., $1.50; 100, $10. 3 to 4 ft., each, 25c; doz., $2.50; 100, $18.00. 4 to 5 ft., each, 50c; doz., $5.00; 100, $30.00.

**P. Vulgaris.** 1½ to 2 ft., 15c; doz., $1.50; 100, $10.00. 2 to 3 ft., each, 20c; doz., $2.00; 100, $15.00. 3 to 4 ft., each 30c; doz., $3.00; 100, $25.00.

**P. Ibota.** Believed to be the most hardy variety. 1½ to 2 ft., each 25c; doz., $2.25; 100, $15.00. 2 to 3 ft., each, 30c; doz., $3.00; 100, $20.00. 3 to 4 ft., each, 50c; doz., $5.00; 100, $30.00.

# Selected Fruit Trees

ESPECIAL attention is called to the **very superior quality** of the nursery stock we supply. Much of it is our own growing. It is **first-class** in every respect, **smooth, straight, handsome.** Only a few varieties are given under each heading. They are such as have proved themselves suitable for the Central and Western States. We recommend spraying as an essential in successful culture.

Packing and delivery to railroad depot or express office in Chicago, **free of charge.** For light shipments we advise express; larger quantities or heavy packages generally go safely by freight. **Purchaser pays transportation charges.** State if we shall ship by express or freight. Where no instructions are given, we use our best judgment as to route, but will not be responsible for delays.

**Certificate of Inspection, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to all freight and express shipments.**

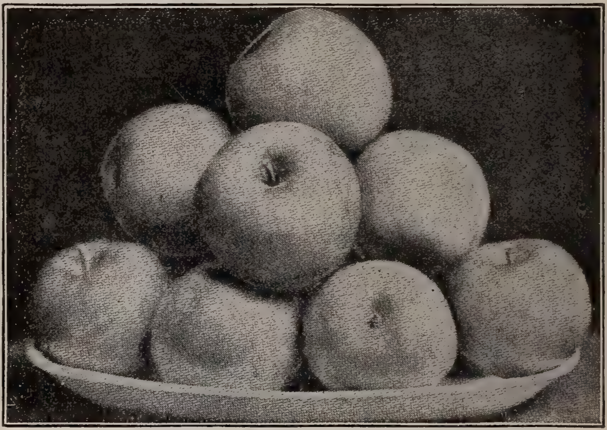
## About Planting and Pruning

Dig the hole intended for the tree of ample size to permit the young rootlets soft ground in which to grow. Plant about two inches deeper than the tree stood in the nursery. Use the top soil for contact next to the roots and see that every space is filled in, firming the soil gently with the foot.

Before setting out, all broken or bruised roots must be amputated. Many persons plant out trees without pruning, which often results in failure to grow. The branches must be cut back to within three or four buds of their base. In brief, when the roots are small and the top heavy, prune severely, and contrawise if the conditions are the reverse.

### Suitable Distances for Planting

| | |
|---|---|
| **Apples** | 30 to 40 feet |
| **Pears, Standard** | 8 to 10 feet |
| **Pears, Dwarf** | 10 feet |
| **Cherries** | 18 to 20 feet |
| **Peaches** | 16 to 18 feet |
| **Plums** | 16 to 20 feet |
| **Quinces** | 10 to 12 feet |



## APPLES

5 to 6 feet, each 50c, doz. $5.00; extra heavy, each 75c to $1.00. Larger trees, prices on request.

Description is intended to cover color, quality and season.

**Early Harvest.** Yellow; subacid; August.

**Red Astrachan.** Beautiful deep crimson, tender, juicy, sour; August.

**Duchess of Oldenburg.** Yellow, streaked red; subacid; September.

**Red June.** Deep red. Hardy; productive. Tender, sub-acid, good. A favorite variety.

**Maiden's Blush.** Shaded red on pale yellow; subacid; great bearer; September and October.

**Yellow Transparent.** Pale yellow; one of the best early apples; good grower and heavy bearer.

## WINTER VARIETIES

**Baldwin.** Bright red; juicy, crisp; December to April.

**Ben Davis.** Beautiful deep crimson. Handsomely formed fruit.

**Fameuse** (Snow Apple). Deep crimson; flesh tender, fine for dessert. November to January.

**Gano.** Like Ben Davis in size and productiveness; fruit deep, dark red; handsome; December to March.

**Grimes' Golden.** Yellow; subacid, aromatic and rich. January to April.

**Rome Beauty.** Yellow and red.

**Northern Spy.** Flesh white and delicious; January to June.

**Jonathan.** Glossy, dark red; flesh spicy; November to April.

**Tolman Sweet.** Yellow, tinged with red. Hardy and productive.

**Wealthy.** Whitish yellow; subacid; one of the most desirable varieties.

**Wine Sap.** Deep red. Keeps well. Popular and valuable in west.

## CRAB-APPLES

Price same as other apples.

**Hyslop.** Deep crimson; October.

**Whitney No. 20.** Green striped with carmine; juicy; pleasant flavor, a great bearer and very hardy.

**Florence.** Striped and mottled. Unsurpassed for jelly.

## CHERRIES

4 to 6 feet, each 50c, doz. $5.00; heavy, each 75c to $1.00.

**Dyehouse.** A very early and certain bearer; ripens a week before Early Richmond; June.

**Early Richmond.** Early; dark red; subacid; juicy; June.

**Montmorency.** A large, red, acid cherry, larger than Richmond, and about ten days later.

**Ostheimer.** A perfectly hardy, late-bearing immensely productive variety; large, heart-shaped, nearly black when ripe; juicy and rich; August.

## PEACHES

Healthy trees with splendid roots. 4 to 6 feet, each 35c, doz. $3.50; 5 to 7 feet, each 50c.

**Barnards.** Medium; yellow; juicy and rich; hardy and productive; September.

**Elberta.** Large; golden yellow with red cheek. Firm and of finest quality. September.

**Crawford's.** A superb, large, yellow peach; one of the best; ripens last of September.

**Champion.** A splendid variety. Creamy white with light blush.

**Old Mixon Free.** Large, pale, yellow, deep red cheek; white flesh; tender.

**Yellow St. John.** Nearly as large as Crawford, fully equal in color; fruit round, brilliant, showy; August.

## PEARS

**STANDARD.** 4 to 5 feet, each 50c; doz., $5.00. 5 to 7 feet, each, 75c; doz., $7.00. Extra heavy, each, $1.00 to $2.00, according to size.

**Bartlett.** Buttery, juicy, great bearer.

**Flemish Beauty.** Pale yellow tinged with reddish brown. Large.

**Kieffer.** Russety yellow. Sweet.

**Garber.** Yellow with carmine cheek.

**Seckel.** Small; yellow, red cheek.

**DWARF.** 2 to 3 ft., each, 25c; doz., $2.50. 3 to 4 ft., each, 50c; doz., $5. Extra heavy, each 75c to $1.00.

**Dutchesse d' Angouleme.** Golden yellow; flesh melting.

**Flemish Beauty.**

## PLUMS

We offer fine trees of Native, European, and Japanese varieties. 4 to 6 feet, each, 50c; doz., $5.00. 6 to 7 feet, each, 75c.

**Abundance** (Japan). Lemon yellow overspread with cherry; August.

**Burbank** (Japan). A week later than Abundance. Large; nearly oval; cherry red.

**De Soto** (Native). Bright red; sweet, good quality; September.

**Lombard** (European). Medium size; oval; violet red; August.

**Miner** (native). Reddish cast with yellow dots. September.

**Wild Goose** (Native). Red with blue bloom; spicy and sweet; July.

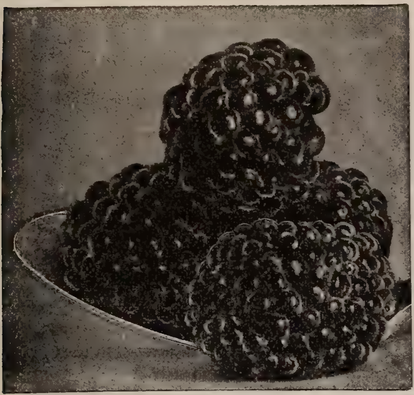
**Shropshire Damson** (European). Fruit medium size, dark purple; best for preserving; October.

**MULBERRY, Russian.** Fruit of a delicious quality; larger than Blackberries. 5 to 6 ft., each 40c; 6 to 8 ft., each 50c; 8 to 10 ft., each $1.00.

**QUINCE.** Large, orange-colored fruit: cooking quality unsurpassed. 3 to 4 ft. Each, 75c.

# Choice Selection of Small Fruit

Avoiding the long lists of varieties which tend only to confuse the inexperienced planter we offer a selected list of the several sorts we know will give satisfaction.



RATHBUN BLACKBERRY

## BLACKBERRIES

Set the plants out in rows 6 feet apart and 4 feet apart in the row. Each, 10c; 100, $5.00.

**Early Harvest.** The earliest of all.
**Erie.** Large, rich fruit, uniform.
**Rathbun.** Very large, jet black, luscious fruit.
**Snyder.** Hardy and well known.

## RASPBERRIES

Plant in rows 5 feet apart and 3 feet apart in the row. Each, 10c; 100, $5.00. Can be sent by mail.

**Cumberland.** Black cap.
**Cuthbert.** Red; sweet.
**Gregg.** Black cap; hardy.
**Loudon.** Red; large berries.
**Turner.** Red; almost thornless.
**Kansas.** Glossy, black, good quality.

**Small Fruit Culturist**

Many beautiful engravings.
Postpaid, $1.00.

## CURRANTS

The plants of this fruit should be set 3 to 4 feet apart, in good, rich soil. Can not be sent by mail, too large and heavy.

**Small,** each 20c; doz., $2.00; 100, $10.00.
**Medium,** each 25c; doz., $2.50; 100, $15.00.
**Heavy,** each 50c; doz., $5.00; 100, $25.00.

**Champion.** Black; large berries.
**Cherry.** Red; short bunches.
**North Star.** Red; hardy; good quality. Bush is a strong grower. One of the best.
**White Grape.** White; very large. Productive.
**Perfection.** Bright red. 30c.

## GOOSEBERRIES

Two-year, each 35c; doz., $4.00. For larger sizes in quantity ask for special prices.

**Downing.** Pale green. Sweet; nearly free from mildew. Fine quality.
**Houghton.** Small, pale red berries. Productive and of good flavor.
**Industry.** Dark red, excellent flavor.
**Red Jacket.** Large berries. A great yielder; best one of its color.

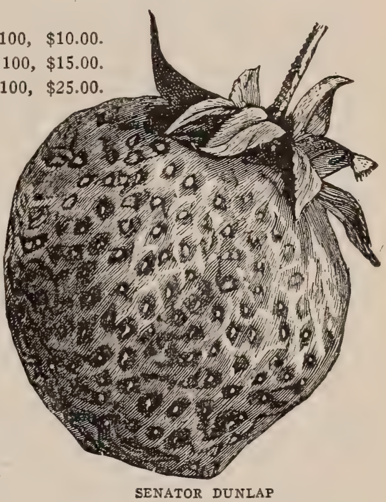
## HARDY GRAPES

Set them 8 to 10 feet apart. 2-year, each 25c; doz., $2.50; 100, $18.00. For larger sizes in quantities, ask for special price.

**Brighton.** Red. Ripens early.
**Campbell's Early.** Black; sweet. 50c.
**Concord.** Black. Well known. Fall.
**Moore's Diamond.** White.
**Moore's Early.** Black; round.
**Niagara.** Greenish white. September Pulpy, sweet, and good.
**Pockington.** Golden yellow.
**Worden.** Black; better than Concord.

STRAWBERRY CULTURIST

By FULLER. Gives a vast amount of reliable and practical information. Postpaid, 25c.



SENATOR DUNLAP

## STRAWBERRIES

Varieties marked (P) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as are all not so marked. Field-grown plants: Doz., 25c; 50, 75c; 100, $1.25; by express, purchaser to pay transportation.

**Brandywine.** Late; heart-shaped.
**Climax** (P). Early; large fruit.
**Warfield** (P). Early; roots deeply.
**Senator Dunlap.** An exceptionally fine sort. Fruit is dark red, firm and glossy. Ripens in midseason.
**Stevens' Late Champion** (P). Large, bright colored, fine flavor.
**Wm. Belt** (P). Midseason; bright red.

COLORADO BLUE SPRUCE

## SELECTED EVERGREEN TREES

Evergreen Trees may be planted in spring, or with equal success later, in August and September. Owing to limited space, we can name but the hardiest and most useful, and of these the descriptions are necessarily brief.

**ARBOR VITÆ. Pyramidal.** Upright habit; rich dark-green foliage. Best tall growing sort. 2½ to 3 ft., each 75c; doz., $7.50. 5 to 6 ft., each, $3.00.
**Tom Thumb.** Its low growth makes it desirable; light-green foliage. 1 to 1½ ft., each 75c, doz. $7.00; 1½ to 2 ft., each $1.00, doz. $9.00.
**Golden Chinese.** Conical form, yellowish green in spring, later changes to old gold. 2 to 3 ft., each $2.00.
**BALSAM FIR.** Leaves dark-green above, silvery beneath. Conical; erect, rapid grower. 3 to 4 ft., each $1.25; 4 to 5 ft., each $2.00.
**HEMLOCK, Canadensis.** A handsome lawn tree with drooping branches and dark foliage. Hardy; grows rapidly. 2½ to 3 ft., each $1.25, doz. $12.50; 3 to 4 ft., each $2.00, doz. $21.00; 4 to 5 ft., each $2.50, doz. $27.50.
**JUNIPER, Irish.** Erect, conical; soft silver-green foliage. Each, 75c and $1.00.
**PINE, Austrian.** Robust, hardy, spreading. Long, stiff, dark-green leaves. Does well in Western States. 2 to 2½ ft., each $1.25, doz. $12.50; 2½ to 3 ft., each $1.75, doz. $17.50.
**Scotch.** A superb, rapid growing tree; spreading branches, silvery green foliage. 2 to 2½ ft., each 75c, doz. $7.50; 2½ to 3 ft., each $1.00.
**White.** Our native variety. It flourishes in poor sandy soil, and makes a rapid growth. Delicate silvery green foliage. 2 to 2½ ft., each $1.00, doz. $10.00; 2½ to 3 ft., each $1.25, doz. $12.00.
**RED CEDAR.** Fine for screens and hedges, bears clipping to any shape. 2½ to 3 ft., each $1.50, doz. $15.00; 4 to 5 ft., each $2.50. doz. $25.00.
**SPRUCE, Colorado Blue.** A beautiful tree with foliage sometimes blue, mostly green. Free grower, perfectly hardy. 1½ to 2 ft., each $1.50, doz. $15.00; 2½ to 3 ft., each $2.50, doz. $24.00.
**Norway.** Valued highly for windbreaks and shelters; vigorous grower; foliage bright green. 2 to 2½ ft., each 50c, doz. $5.00; 2½ to 3 ft., each 75c.

# Ornamental Deciduous Trees

WE do not place before the buyer an extended list of varieties, which tends only to confuse. Those catalogued are selected as the most desirable. Packing and delivery to railroad depot or express office in Chicago, free of charge. Quotations for larger sizes and for other varieties than those named will be given by letter to those desiring the same. Please state your requirements definitely.

**ALIANTHUS (Tree of Heaven).** Rapid grower, with long feathery foliage; exempt from insects and disease. 4 to 5 feet, each 35c; 5 to 6 feet, each 50c.

**ALDER, European or Common.** Suitable for moist situations. Grows 30 to 50 feet high. Foliage wedge-shape, wavy. 4 to 6 feet, each 50c; 8 to 10 feet, $1.00.

**ARALIA (Hercules Club).** Small tree with pinnate leaves; prickly stems; white flowers in August. 3 to 4 feet, each 50c.

**ASH, American White.** Hardy, vigorous, upright. 6 to 8 feet, each 35c; 8 to 10 feet, each 75c; 10 to 12 feet, each $1.50. Extra large, ask for prices.

**European.** Spreading head; gray bark; white flowers in June. 6 to 8 feet, each 50c; 8 to 10 feet, each $1.25.

**Mountain Ash.** White flowers in spring, followed by red berries which hang on until winter. 6 to 8 feet, each 50c; 8 to 10 feet, each $1.25.

**BEECH, Purple-Leaved.** A fine lawn tree. With ball of earth on roots, each $4.00.

**BIRCH, Weeping Cut-Leaf.** See next page.

**White.** The native birch; drooping and graceful. 4 to 6 ft., each 75c; 6 to 8 ft., each $1.00; 8 to 10 ft., each $1.25.

**BOX ELDER (Ash-leaved Maple).** An esteemed native tree of fine form, with peculiar foilage. Vigorous and hardy. 4 to 6 feet, each 50c; 6 to 8 feet, each 75c; 8 to 10 feet, each $1.00.

**CATALPA Bungei** (Chinese Catalpa). It makes a beautiful umbrella-shaped tree. Foliage large and glossy. Habit dwarf. One-year head, 6-foot stem, each $1.50 to $2.00; two-year head, 8-foot stem, each $2.00 to $4.00.

**Speciosa** (Hardy Catalpa). Highly esteemed and is being largely planted as a timber. No more ornamental tree grows. Large heart-shaped leaves and immense clusters of tri-colored flowers. 4 to 6 ft., each 25c; 8 to 10 ft., each 75c; 10 to 12 ft., each $1.25; specimen trees, special price, according to diameter.

**CHERRY, Wild Black.** Most valuable timber tree. Unusually rapid grower. Very ornamental and when in bloom a grand sight. Flowers sweet-scented. 6 to 8 ft., each 50c.

**CRAB, Bechtel's Double-Flowered**

At a distance the pretty medium-sized tree seems to be covered with dainty little roses of a delicate pink color. Very fragrant, blooms when young. The most beautiful of Flowering Crabs. 3 to 4 ft., each $1; 5 to 6 ft., each $3.

AMERICAN ELM

**Elms** There is no finer tree for street and park planting than the Elm. We are able to supply in several sizes. Splendid trees for shade. Camperdown, the picturesque weeping elm, will be found on following page under Trees of drooping habit.

**American.** Strong and long-lived. Thrives in almost any soil. Eight feet, each 50c; 8 to 10 feet, each 75c; 10 to 12 feet, each $1.25. Specimen trees, ask for price.

**English.** Smaller leaves and darker than American. Sizes supplied and prices quoted on application.

**Scotch or Wych.** Large dark leaves; spreading head; rapid grower. 8 to 10 feet, each $1.50.

**GINKGO (Maiden Hair Tree).** Long, hairy-like foliage. This tree is immune from insects. Ornamental on public grounds, lawns, or in street planting. 6 to 8 ft., each, $1.50.

**HACKBERRY (Nettle Tree).** Thick, rough bark; foliage like apple leaves, but more pointed. A fine street tree. 6 to 8 feet, each 60c; 8 to 10 feet, each $1.00; 10 to 12 feet, each $1.50. Specimen trees, prices on application.

**HORSE CHESTNUT, White-Flowered.** One of the best Ornamental trees. Blooms in May. Hardy and not liable to disease. 4 to 5 feet, each 75c; 5 to 6 feet, each $1.00; 6 to 8 feet, each $2.00.

**JUDAS TREE (Red Bud).** Rapid grower; round head. Flowers rosy red; appear before the leaves. 3 to 4 feet, each 35c.

**LINDEN, American** (Basswood). Round head. Large leaves and fragrant flowers which attract bees. Valuable for street planting. 6 to 8 feet, each 75c; 1 to 1½ inch caliper, $1.25; 1½ inches, each $2.00.

**MAGNOLIA Acuminata.** Pyramidal form, vigorous; hardy. Flowers yellow, tinted with bluish purple, followed by large cucumber-shaped fruits that turn bright crimson. 6 to 8 feet, each $2.00.

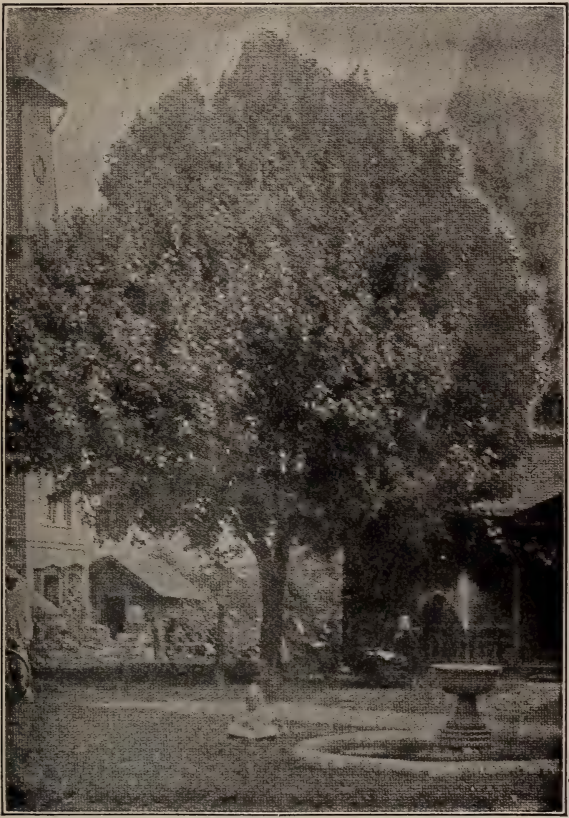
**Soulangeana.** Blooms in May before the leaves appear. Flowers cup-shaped, white and purple. Shrubby while young, but develops into a fair-sized tree. 3 to 4 feet, each, $2.00.

# Ornamental Deciduous Trees—Continued

## Maple

This is a valuable family of trees. Maples are among the finest shade trees, beautiful in foliage, free from diseases, and adapted to all soils,—merits which make them universally popular.

**Ash Leaved** (Box Elder). An esteemed native variety. Fine form and peculiar foliage. Vigorous and hardy. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c; 8 to 10 ft., $1.00.



NORWAY MAPLE

**Norway.** A large, handsome tree, with broad, deep-green foliage; very compact growth, rendering it one of the most desirable varieties for the street, park, or garden. Perfectly hardy. 6 to 8 ft., each 50c; 8 to 10 ft., each $1.50. Price of larger size on application.

**Purple Norway Maple.** Young leaves crimson in spring, changing to purplish green with age. 6 to 8 feet, each $2.00; 8 to 10 feet, each $3.50.

**Silver or Soft.** A rapid-growing tree of large size; irregular rounded form; foliage bright green above, silvery beneath, a favorite street and park tree. 6 to 8 feet, each 50c; 8 to 10 feet, each 75c; 10 to 12 feet, each $1.25. Specimen trees, price quoted on application.

**Sugar or Hard.** Valuable for sugar, lumber, shade, and adornment. Roots deeply, slow grower; hardy and permanent. 6 to 8 feet, each $1.00; 8 to 10 feet, each $1.50; 1½-inch caliper, each $2.00.

**Wier's Cut-leaved Maple.** A handsome variety of the Silver-leaved type. Equally hardy and vigorous. Of drooping graceful habit. Leaves regularly cut. One of the handsomest lawn trees. 8 to 10 feet, each 75c; 10 to 12 feet, each $1.25; 2-inch caliper trees, $2.50.

**MULBERRY. See under Fruit Trees.** Mulberries are sometimes classed among ornamental trees on account of their large, handsome leaves, dense shade, and fine, compact growth. For Weeping Mulberry see next column.

## Poplar

Poplars are rapid growing trees, which thrive best in damp situations, although they succeed in any soil. They quickly give effective results for trifling expense.

**Balm of Gilead.** Of remarkably rapid and luxuriant growth, with large glossy foliage. 6 to 8 feet, each 50c; 1½-inch caliper, $1.00.

**Carolina.** A very distinct tree, making a large, spreading head. Excellent for street planting, windbreaks, and screens. 6 to 8 feet, each 35c; 8 to 10 feet, each 50c; 10 to 12 feet, each 75c.

**Lombardy.** A well-known tree, remarkable for erect, rapid growth. 6 to 8 feet, each 50c.

**Silver-Leaved.** Of wide, spreading habit and quick growth. Leaves dark green above and silvery beneath. 6 to 8 feet, each 50c.

**SYCAMORE or PLANE (Buttonwood).** A native tree of majestic size. Its gray-white bark makes it conspicuous in winter. Good for street planting, also for shade. 4 to 6 feet, each 50c; 6 to 8 feet 75c.

**STRAWBERRY TREE, Cork-barked.** Foliage small; in autumn turns to bright red. Of dwarf, compact habit. 1½ to 2 feet, each $1.00; 3 feet, each $1.50.

**Burning Bush.** A tall-growing variety. Leaves turn scarlet in fall; fruit large, dark red. 3 to 4 feet, 50c; 4 to 6 feet, each 75c.

**TULIP TREE or Whitewood.** Rapid grower; does well in moist ground. Has smooth bark, spreading branches, and dark-green glossy foliage. Beautiful, tulip-shaped flowers. 6 to 8 feet, each 75c.

## Willow

Willows mature so rapidly that where quick results are desired they should be extensively planted. They will grow almost anywhere.

**Golden-Barked.** Its yellow bark makes this tree conspicuous in winter. 3 to 4 ft., each 25c; 4 to 6 ft., each 50c.

**Salmon-Barked.** A form of the above. The yellow bark on young wood is tinted with red. Sizes and prices same as Golden-Barked.

**Laurel-Leaved.** An ornamental tree with large, glossy leaves. Sizes and prices same as Golden-Barked.

**Rosemary-Leaved.** Slender twigs and silvery leaves. Makes an odd-shaped tree. Sizes and prices same as Golden-Barked.

## Trees of Drooping Habit

**ASH, Weeping Mountain.** Covered from July until winter with bright-red berries. 1-year heads, each $1.00; 2-year heads, each $1.50.

**BIRCH, Weeping Cut-Leaf.** The most popular of all pendulous trees. Silvery white bark. 5 to 6 ft., 75c; 6 to 8 ft., each $1.00.

**ELM, Camperdown.** Tree covered with a canopy of green leaves. 2-year heads, each $1.25; 3-year heads, each $2.00; 4-year heads, each $4.00.

**MULBERRY, Tea's Weeping.** Makes an umbrella-shaped beautiful head. 2-year heads, each $1.50; 3-year heads, each $2.50.

**WILLOW Babylonica.** The well-known common drooping willow. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c.

**Wisconsin Weeping.** Similar to but much hardier than Babylonica. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c.

**Kilmarnock.** Umbrella-shaped head. 2-year heads, each $1.25.

## PLANTING ORNAMENTAL TREES

The following suggestions from the pen of an expert horticulturist and clever writer are worthy of careful study:

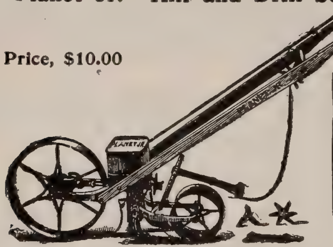
"Plant same as fruit trees, except that larger holes should be dug to accommodate the roots. The ground should be pressed down firmly over the roots with the foot. Two-thirds of the tops should be cut off on all ornamental trees, *except Cut-leaved Birch and Horse Chestnuts, which should not be headed in.*

"Care should be taken to prune the tops so that the trees will make a well-balanced, uniform top. The forming of the crown is regulated entirely by the pruning. On some kinds of trees it may be necessary to tie the tree to a strong stake to hold it firmly in its place. Wrap the trunks of Maples with building paper, four or five feet from the ground up, to keep out borers. Irrigate in dry seasons."

# Planet Jr. Farm and Garden Implements

### "Planet Jr." Hill and Drill Seeder

**Price, $10.00**



Complete
Planet Jr.
Catalogue
on application

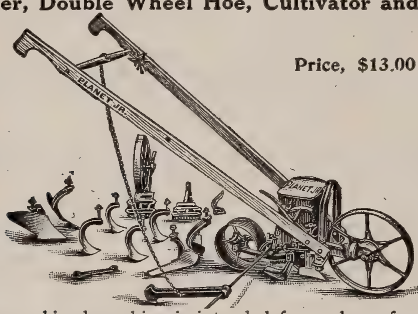
The No. 3 driving wheel is steel, with heavy forged steel spokes, not "piano wire," of proper height, with broad face, making the tool light and easy running, even with the hopper filled to the brim.

**The special force feed** is admirable, working equally well whether sowing with an ounce or a full hopper.

**The hill dropping** is simple and reliable; making hills either 4, 6, 8, 12, or 24 inches apart.

### "Planet Jr." No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

**Price, $13.00**

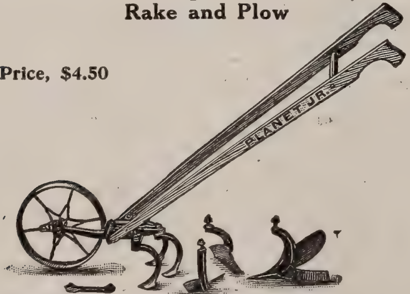


This combined machine is intended for a class of gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate wheel hoe. It is large enough for field use, for it holds 2½ quarts.

As a drill it is almost identical with **No. 4 Drill**; will sow in drills or hills 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with screw adjustment.

### "Planet Jr." No. 17 Single Wheel Hoe, Cultivator, Rake and Plow

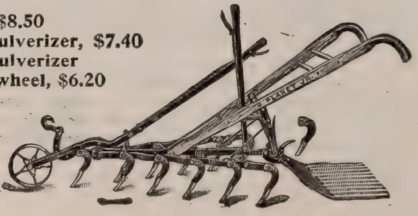
**Price, $4.50**



This single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame.

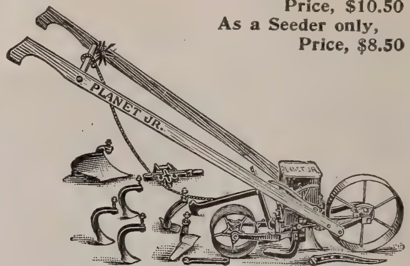
### "Planet Jr." Twelve-Tooth Harrow, Etc.

**Price, $8.50**
**Less pulverizer, $7.40**
**Less pulverizer and wheel, $6.20**



### "Planet Jr." No. 4 Combined Seed Drill, Single Wheel Hoe Cultivator, and Plow

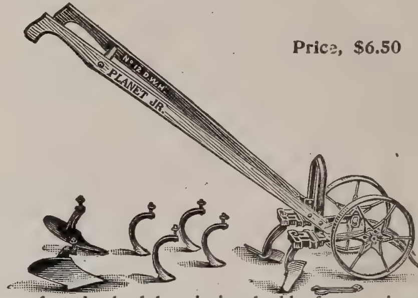
**Price, $10.50**
**As a Seeder only, Price, $8.50**



This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder sows in continuous rows or drops in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is very accurate.

### "Planet Jr." No. 12 Double Wheel Hoe, Cultivator and Plow

**Price, $6.50**

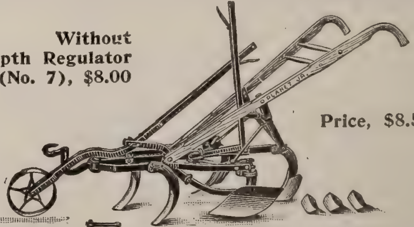


This perfected wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at four different distances apart; the frame can be set three different heights. The handles are adjustable at any height, and, being attached to the arch, are undisturbed in making changes.

### "Planet Jr." No. 8 Horse Hoe and Cultivator

**Without Depth Regulator (No. 7), $8.00**

**Price, $8.50**



Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

**The Frame** is extra long and extra high, making a tool that will not clog easily.

**The Stiff Steel Standards** are hollow with round throats; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

### "Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer

This tool has rapidly grown into favor with farmers, market gardeners, and strawberry growers. It has a high frame and chisel-shaped teeth.

**The Foot Lever Pulverizer** is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth **while in motion**; it contracts to 12 inches, and expands to 32 inches.

# New Universal and Other Garden Tools

**Space will permit our showing and describing only one of the New Universal Tools, but we will send a fully illustrated descriptive catalogue free to all who request it. The prices named herein are net.**

## New Universal No. 17 Garden Drill

NO BETTER SEEDER CAN BE PRODUCED

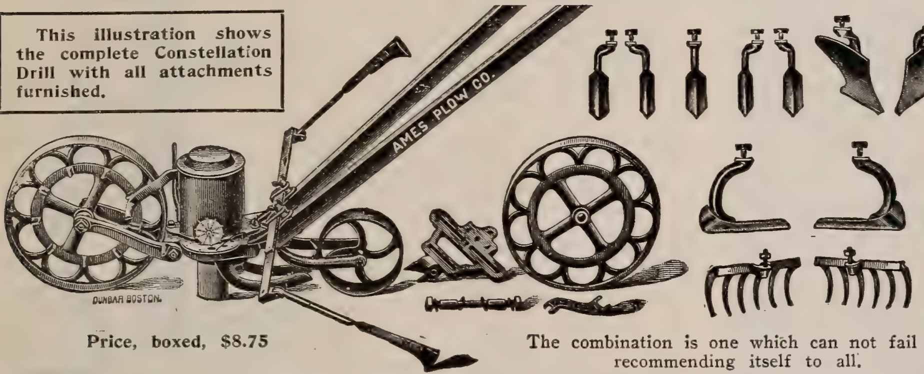
Sows all kinds of Vegetable Seeds, including Peas, Beans, and Corn. The depth may be gauged to any required space; will make a uniform deposit of the seed. This drill opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the machine forward. **Price, boxed, $7.00.**

## New Universal No. 16 "Hill and Drill Seeder"

The same in style as the garden drill, but is arranged so as to drop the seed either continuously in drill, or at distances of 4, 6, 8, 12, 16, 24, and 48 inches apart. The adjustment from drills to hills is made by one screw. The distance apart is regulated by the number or cogs on the Driving Wheel against which the agitator strikes. **Price, boxed, $7.75.**

## New Universal No. 19 Constellation Drill

**This illustration shows the complete Constellation Drill with all attachments furnished.**


AMES PLOW CO.
DUNBAR BOSTON.

**Price, boxed, $8.75**

The combination is one which can not fail of recommending itself to all.

**SIX IMPLEMENTS IN ONE**

Seeder Cultivator
Hoe Plow
Rake Marker

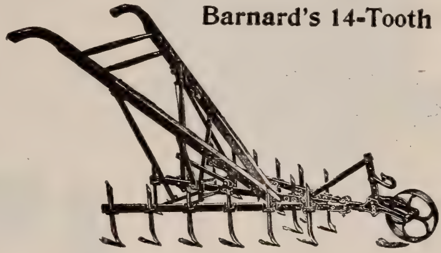
**All for $8.75.**

## Other Universal Tools

| No. | | Price |
|---|---|---|
| 14 | Double Wheel Hoe, Cultivator, Plow, and Rake.... | $5.50 |
| 15 | Double Cultivator with Hoe Blades only........... | 3.75 |
| 11 | Single Wheel Hoe, Cultivator, Plow, and Rake.... | 5.00 |
| 12 | Single Wheel Hoe, Cultivator, and Plow.......... | 4.25 |
| 13 | Single Wheel Hoe with Hoe Blades only......... | 3.00 |
| 24 | Expansion Double Wheel Hoe, Cultivator, Plow, and Rake ....................................... | 8.00 |
| 25 | With Hoe Blades only.................................. | 4.75 |
| 26 | High Arch Expansion Wheel Hoe, Cultivator, Plow, and Rake.......................................... | 8.25 |
| | With Hoe Blades only.................................. | 5.75 |
| | Matthews Hand Cultivator and Wheel Hoe......... | 6.25 |
| | Cultivator only (5 teeth)........................... | 5.25 |
| | Wheel Hoe only (2 teeth).......................... | 4.75 |

**Extra Parts.** We usually have on hand a supply of extra parts for both the Planet Jr. and New Universal Implements. Any repairs required can be supplied from Chicago, thus saving valuable time to western gardeners.

## Barnard's 14-Tooth Harrow.

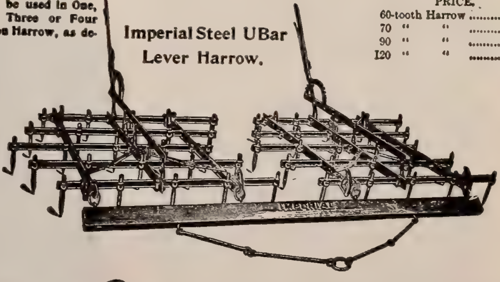


A splendid tool for cultivating crops in rows. Thoroughly pulverizes and loosens the soil without throwing dirt on the plants. Teeth reversible and expansion lever.

Price, complete with Wheel.............**$5.00.**
Price, without wheel.............. **4.75.**

## Imperial Steel UBar Lever Harrow.

**Can be used in One, Two, Three or Four Section Harrow, as desired.**



| PRICE. | |
|---|---|
| 60-tooth Harrow ......... | $11.00 |
| 70 " " ......... | 12.00 |
| 90 " " ......... | 17.00 |
| 120 " " ......... | 21.00 |

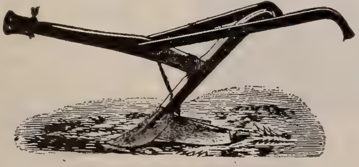
## Plows and Harrows

**WOOD BEAM PLOW.**

The shape is exactly right to do perfect work with greatest ease to team and plowman. Made with steel moldboard and scours perfectly. Does equally as good work in old or stubble ground. 14-inch plow. Price **$14.00**

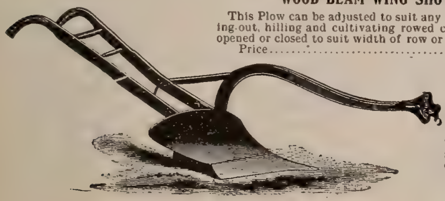
**WOOD BEAM, ONE HORSE 8 INCH PLOW**

Made to use in light soils. Suitable for cultivating and garden work **$6.25**



**WOOD BEAM WING SHOVEL PLOW**

This Plow can be adjusted to suit any width row For furrowing-out, hilling and cultivating rowed crops. The wing can be opened or closed to suit width of row or throw more or less soil, Price.......................................... **$3.00**

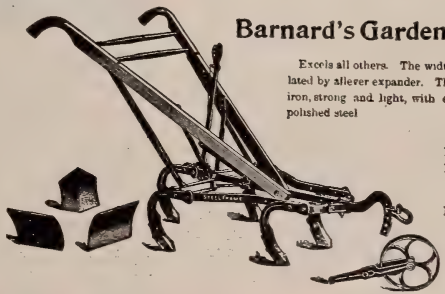


**Steel Beam Plow**

A general purpose plow, capable of a greater range of usefulness than any other styles. They are of easy draft and equally adapted for old ground or sod 14-inch plow.

Price.......... **$14.00**

## Barnard's Garden Cultivator



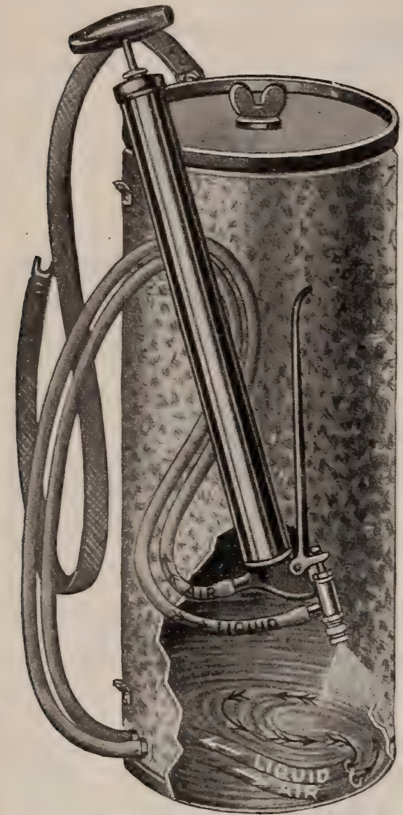
Excels all others. The width of cultivator is regulated by allever expander. The frame is of wrought iron, strong and light, with extra long teeth of finest polished steel

Price, complete.....**$5.25**
Price, five tooth with wing shovels.................... **5.00**
Price, plain, without wheel or wing shovels...., **4.00**

**We Carry the Best Line of Implements for Planting and Cultivating Vegetable Crops to be found in America.**

# Spraying and Dusting Implements

THE use of sprayers and spraying compounds has become a recognized necessity in raising fruits and vegetables. The sprayer is as much of a necessity as is the fertilizer or any other part of the process of cultivation. Following and others can be supplied. If you do not see here what you want, write for information. Prices do not include transportation.



SIMPLEX SPRAYER

## Hand Sprayers

**Little Wonder.** A handy tin sprayer to apply disinfectants and germicides in houses. Has drip catch to prevent any chance of soiling carpets. 50c.

No. 1. **Lightning Sprayer.** Single tube; light and handy. Has detachable reservoir. Holds about one quart. Each, 50c.

No. 20. **Encased Glass Double Tube Sprayer.** Encased and painted; unexcelled for durability. Capacity, one quart. Operator can see reservoir contents. Each, 65c.

No. 37. **Compressed Air Sprayer.** Applies all solutions, insecticides and disinfectants. Can be used in the greenhouse, poultry house, kitchen garden, and for rose bushes. May be operated at any angle. All tin, 80c; with galvanized reservoir, 90c; all brass, $1.25.

**Midget Atomizer.** All brass. Has force yet works easily. Well made and durable. Each, $2.00.

## Bellows and Dusters

**American Bellows.** 20 in. long, holds 4 oz.; each, $1.00. 24 in. long, holds 8 oz. powder; each, $1.25.

**Dickey Duster** to apply "Bug Death," 25c. Effective and certain.

**Jumbo Powder Gun.** Holds 4 oz. 25c.

**Slug Shot Duster.** ½-gal. size, 35c.

**Acre-an-Hour Duster.** 75c.

**Dry Powder Duster** (Lightning No. 12). A serviceable article at a low price. Each, 75c.

## The Simplex Sprayer

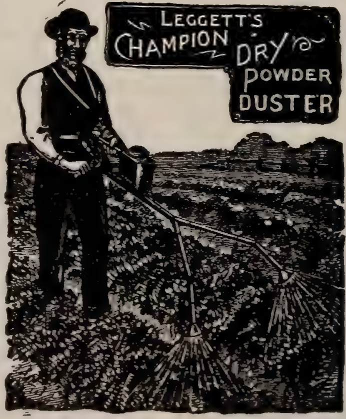
Best machine of its class for applying Arsenate of Lead, Paris Green, Lime-Sulphur, Whitewash, etc. Weighs 12 lbs.; holds 3½ gals. No stopping to pump pressure into the tank is necessary. A misty and forceful spray is steadily delivered. Made in two styles; each being equipped with a special shut-off nozzle which gives the operator perfect control of spray.

| | |
|---|---|
| No. 1. Brass Tank | $7.50 |
| No. 2. Galvanized Tank | 5.75 |

## The Auto Spray No. 1

Works automatically for six to fifteen minutes, according to the nozzle opening. It may be charged in fifteen seconds by a few strokes of the plunger. This machine is desirable for spraying all garden, farm and greenhouse crops, disinfecting stables, hen houses, etc., and for low trees if extension pipes are ordered. Any fluid concoction can be applied with it, even to whitewash. The improved machine has the "Auto Pop" attachment. The spray can be made as fine as mist, and directed to the underside of foliage as well as other places.

| | |
|---|---|
| Auto Spray, brass tank with stop cock | $7.50 |
| Auto Spray, brass tank with auto pop | 8.00 |
| Auto Spray, galvanized tank with stop cock | 5.00 |
| Auto Spray, galvanized tank with auto pop | 5.50 |
| Brass 2-ft. extension, per length | .50 |
| Strainer for auto spray, solid brass | 1.00 |

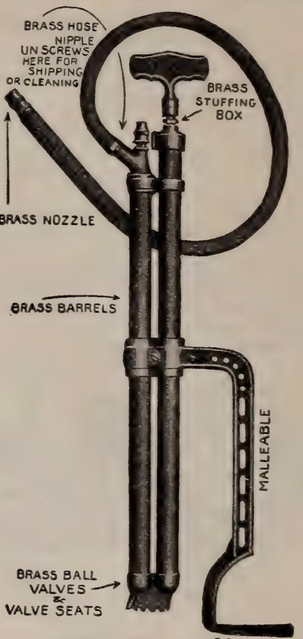


***Distributes Paris Green, Hellebore, Sulphur, or any DRY POWDER insecticide.***

**Price, $8.00 complete.**

It is 27 inches long, with extra tubes for dusting trees, and holds one quart of powder. By turning the crank a fan is rapidly revolved, which forces a current of air through the tubes, that carries with it a small portion of powder. The quantity may be increased or diminished, as desired. (*See cut*) Price, complete, $8.00.

**Brownie Powder Gun.** Built like Champion, smaller, but very effective; has one nozzle only. Price, $3.50.


BRASS HOSE NIPPLE UNSCREWS HERE FOR SHIPPING OR CLEANING
BRASS STUFFING BOX
BRASS NOZZLE
BRASS BARRELS
MALLEABLE
BRASS BALL VALVES & VALVE SEATS

SPRAY PUMP NO. 26

## Bucket Sprayers

No. 26. **All-Brass Spray Pump.** This will throw a stream fifty feet. Valuable for washing windows and buggies, sprinkling lawns and flowers, etc. Being made entirely of brass, it is not affected by the poisonous ingredients used in the insect-destroying solution. Each, $3.75.

No. 28. **Whitewash Sprayer and Force Pump.** It will apply whitewash without clogging, and do better work than can be done with a brush. Made of galvanized iron with brass tops and bottoms. Will throw a stream 35 feet high, or it can be manipulated to give two different sizes of spray. Each, $2.50.

No. 29. **Single Cylinder, All-Brass Spray Pump.** Fitted with a malleable foot for use in a pail or bucket. Excellent for spraying shrubbery, small trees, whitewashing, etc. Large air chamber enables operator to keep constant pressure of 50 to 100 lbs. Complete, with Bordeaux nozzle for whitewashing, $4.35.

## Barrel Sprayer

**Pomona.** An excellent pump for spraying small orchards or large shade trees. Working parts of solid bronze easily accessible for cleansing. Adjustable stroke capable of suplying two leads of hose and four nozzles. Complete, with Agitator, 15 ft. of hose and 1 spray nozzle, $18.75. If supplied mounted in barrel, add $3.50.

### Spraying Accessories

We can supply extension rods, nozzles, etc. Ask for prices.

# EFFECTIVE FERTILIZERS OF SUPERIOR QUALITY

WE HANDLE but one grade of **FERTILIZERS**, the **BEST.** **Special quotations to buyers of large quantities.** "Feed the soil and the soil will feed you." Crops cannot live and thrive on air and water alone. Their roots penetrate the earth and absorb therefrom the Nitrogen, Phosphoric Acid, Potash, or other elements of plant food they require. In some form these must be replaced.

SHEEP FERTILIZER
TRADE MARK

Excellent top dressing for lawns. Its effect is immediate and lasting. Use at the rate of 500 lbs. per acre. For pot plants mix one quart manure to six quarts of soil. For the vegetable garden, spread over the surface one ton to the acre and dug in, it promotes speedy growth and rapid maturity. 10 lbs., 35c; 25 lbs., 50c; 50 lbs., $1.00; 100 lbs., $1.75; 500 lbs., $6.50; ½ ton, $11.00; ton, $20.00.

### Bone Meal.

Guaranteed pure bone and equal to any brand. It is ground fine and is an excellent top dressing for lawns, grass lands, farm and field crops; also for mixing with potting soil, 25 lbs., 70c; 50 lbs., $1.25; 100 lbs., $2.15; bag of 200 lbs., $3.75; 500 lbs., $8.50; 1,000 lbs., $16.50; ton $32.00.

### Bone and Blood.

Recommended for mixing with potting soil, application to soil on benches for carnations, and for all vegetables. In garden plots apply one or two tons per acre. In rows or drills one or two hundred pounds to the acre will suffice. 100 lbs., $2.25; 500 lbs., $9.00; 1,000 lbs., $17.00; per ton, $32.00.

### Lawn Fertilizer.

Dry, clean and free from weed seeds. If applied two or three times during the season at rate of one pound to one hundred square feet of lawn, just before a good rain, the grass roots are fed by it and the lawn retains a healthy appearance. 10 lbs., 45c; 25 lbs., 95c; 50 lbs., $1.75; 100 lbs., $3.00.

### Unleached Hardwood Ashes.

Drives away insects and improves the texture of the soil. Use 1 to 2 tons per acre. It is very beneficial for all garden and field crops. Recommended to cabbage and onion growers. Of much value for grass land and lawns. 25 lbs., 50c; 50 lbs., 85c; 100 lbs., $1.25.

### Nitrate of Soda.

A fertilizer for all crops. It acts quickly and hastens maturity of crops. **Should be applied broadcast and evenly, after the plants are up, at the rate of 100 lbs. per acre. Price (subject to market changes):** 10 lbs., 60c; 25 lbs., $1.25; 50 lbs., $3.00; 100 lbs., $4.75.

### Vegetable Garden Fertilizer

This, when applied to vegetables, brings them into marketable condition from 10 to 14 days earlier, and increases the production from one-third to one-half. 10 lbs., 45c; 25 lbs., 95c; 50 lbs., $1.75; 100 lbs., $3.00.

### Bowker's Plant Food.

**Made especially for pot plants. Clean, free from odor. Stimulates growth, increases vitality. Directions with each package. Small size, 15c, large size, 25c.**

### KAINIT (Potash Salt)

Excellent fertilizer for potatoes, corn and other grain. Also excellent for lawn and general garden use. Contains about 12½% Potash. Applied about 800 to 1,000 lbs. per acre. 10 lbs., 35c; 25 lbs., 75c; 100 lbs., $1.75; 500 lbs., $7.00.

### LAND PLASTER.

A top dressing for sour and worn-out soils. Apply about 1,000 to 1,500 lbs., per acre. 25 lbs., 35c; 50 lbs., 60c; 100 lbs., $1.25; barrel (about 300 lbs.) $3.00.

# INSECTICIDES and REMEDIES for PLANT DISEASES

THE RESULTS obtained from the use of any insecticide or fungicide depend much upon the operator, says Prof. Bailey. **Timeliness, thoroughness and persistence** are the watchwords of success. It is easier to keep any enemy away than to drive him away.

**Dry powder and soaps—non-poisonous—can be forwarded by mail. Postage 16c. per lb. additional. Liquid insecticides are not permitted in the mails.**

**Aphis Punk.** For fumigating vegetable forcing houses and greenhouses. The fumes of the burning punk kill aphis and thrips. Pkg. (12 rolls), 75c.

**Arsenate of Lead.** It kills all leaf eating insects like potato bugs, rose bugs, fruit tree worms, gypsy and brown tail moth, caterpillars, elm leaf beetles, etc., and sticks like paint to the leaves. It is easy to apply, and won't injure the most tender foliage. 1 lb., 25c; 5 lbs., $1.00; 12½ lbs., $2.00. Special price on larger quantities.

**Bug Death.** Is a non-poisonous powder. It can be used dry just as it comes in package, or mixed in water and sprayed upon cucumber, melon and squash vines, etc. Cheaper than Paris Green. In packages containing 1 lb., 15c; 3 lbs., 35c; 5 lbs., 30c; 12 lbs., $1.00; 100 lbs., $7.50.

**Duster** to apply powder, 25c and 75c.

**HELLEBORE.** Destroys currant worms and rose slugs. Lb., 25c; 5 lbs. for $1.35.

**NICO-FUME.** This is paper strongly saturated with nicotine. 24 sheets, 75c; 144 sheets, $3.50.

**Nico-Fume Liquid.** ¼ pint, 50c; pint, $1.50.

**NICOTEEN.** A powerful extract for fumigating or spraying. Pint, $1.50.

**Nicoticide.** Fumigating compound. 4 oz., 70c; ½ pt., $1.25.

**PARIS GREEN.** The best in the market, sure death to potato bugs, slugs, caterpillars, etc. Use dry or in solution. Price, subject to market. Lb., 35c; 5 lbs., $1.60.

**SLUG SHOT.** A non-poisonous insecticide. It is cheap and very effective. It is easily applied and contains nothing in the least injurious. Destroys potato bugs, beetles, green and black fly, melon, squash and cucumber bugs, etc., 5-lb. package, 30c; 10 lbs., 50c.

**Slug Shot Duster.** Tin, each, 35c.

**SOAP. Sulpho-Tobacco.** A superior insecticide and fertilizer. Sure death to all plant insects in and out of doors. A superior wash for dogs and all animals. Cakes, each, 10c and 20c. Directions accompany each.

**SOAP, Whale Oil.** A very effective, simple and cheap preparation for the preservation of trees, shrubs, plants, vines, rose bushes, and garden plants in general, from the ravages of insects. Lb., 15c; 2 lbs., 25c; 5 lbs., 50c.

**Tobacco Stems.** Used for fumigating and as a mulch. 10 lbs., 50c; bale (about 200 lbs., more or less), $1.75 per 100 lbs.

**Tobacco Dust.** Sure death to green fly. 5 lbs., 35c; 100 lbs., $2.25.

**Tobacco, Powdered.** More powerful than dust. 5 lbs., 50c; 10 lbs., 75c; 25 lbs., $1.75; 100 lbs., $6.00.

**Bordeaux Mixture** (Dry). The best remedy for mildew, black rot, leaf curl, etc. 1 lb., makes 5 gallons of solution. Lb., 25c.

**Bordeaux Mixture and Paris Green.** In powder for dusters. Lb., 30c.

**Grape Dust.** Destroys mildew, mould, and rust in greenhouses or open air. 5 lbs., 35c.

**Powdered Sulphur.** Prevents and cures mildew on grapes, roses, etc. Lb., 10c; 10 lbs., 60c.

**Lime-Sulphur Solution.** A perfect Scale and Fungus destroyer, especially for Plum and Peach Trees. It must be diluted and applied with a spray pump while the trees are dormant, after the leaves have fallen in fall and before the buds swell in spring. It can be used quite strong—say 1 gallon to 20 gallons of water. Price, quart can 35c; ½ gallon, 50; gallon, 75c; 5 gallons, $3.00.

**Tree Tanglefoot.** A sticky compound for banding trees. It prevents the larvæ of moths ascending tree trunks. Lb., 30c; 3 lbs., 85c; 10 lbs., $2.65.

We can supply descriptive circulars regarding most of the above. Write us for what you want or ask for information.

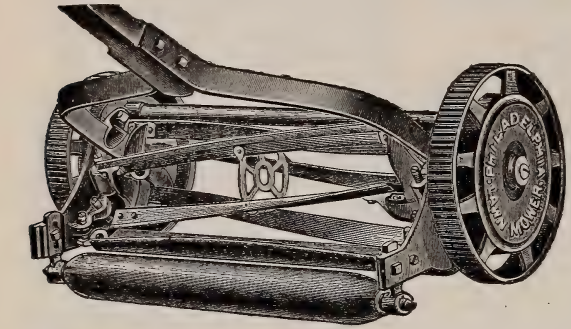
# LAWN MOWERS AND LAWN SUPPLIES

**All Goods on This Page Are Fowarded by Express or Freight at Buyer's Expense.**

## Philadelphia Lawn Mowers

The genuine "Philadelphia" is recognized as the standard Lawn Mower. It is guaranteed against imperfections and warranted to give entire satisfaction. We carry a large line, but list here only the more popular styles. Full descriptive and illustrated circular on request.

**STYLE A. Width of cut, 15, 17, 19, and 21 inches.** Made entirely of steel. Light in weight and draft; has long and large bearings. A durable and satisfactory mower for fine work. 10-inch drive-wheel enabling it to cut high grass. 4 blades double ratchet.



STYLE K

**STYLE K. Width of cut, 14, 16, 18, and 20 inches.** This is a popular medium-priced machine. Will cut high grass; light running; does smooth and fine work. 10-inch wheels. 5 blades. Also made with roller bearings at an advanced price.

**ALL-DAY MOWER. Width of cut, 14, 16, and 18 inches.** Superior to other low-priced mowers. It is mechanically proportioned, runs light, and does fine work. Thousands now in use. 10-in. wheels; 4 blades.

**DREXEL MOWER. Width of cut, 10, 12, 14, 16, and 18 inches.** 8-inch wheels; 3 blades; single pinion.

### PRICES FOR 1913

**Style A and Golf**

| | |
|---|---|
| 15 in. | $10.25 |
| 17 in. | 11.50 |
| 19 in. | 12.75 |
| 21 in. | 14.00 |

**Style K**

| | |
|---|---|
| 14 in. | $ 6.15 |
| 16 in. | 6.80 |
| 18 in. | 7.40 |
| 20 in. | 8.00 |

**Styles T, M, and C**

| | |
|---|---|
| 10 in. | $ 4.00 |
| 12 in. | 4.60 |
| 14 in. | 5.25 |

**All=Day Mower**

| | |
|---|---|
| 14 in. | $ 4.35 |
| 16 in. | 4.85 |
| 18 in. | 5.35 |

**Drexel Mower**

| | |
|---|---|
| 10 in. | $ 2.50 |
| 12 in. | 2.60 |
| 14 in. | 2.70 |
| 16 in. | 2.80 |
| 18 in. | 2.90 |

**Styles T, M, and C**

| | |
|---|---|
| 16 in. | $ 6.15 |
| 18 in. | 6.50 |
| 20 in. | 6.75 |

**GRAHAM MOWER. Width of cut, 15, 17, 19, and 21 inches.** All steel; the highest achievement in lawn mowers. 10-inch drive-wheel; 4 blades; 6½-inch cylinder. Train of gears on both sides. Removable box-caps to take cylinder out for sharpening. 15-in., $12.25; 17-in., $14.00; 19-in., $15.50; 21-in., $17.50.

**HORSE MOWERS.** We have four different styles of Horse Mowers. Ask for special circular and prices.

**PHILADELPHIA GRASS COLLECTOR.** This is a substantial, well-made catcher with galvanized iron bottom and never-rip cloth connections. Made in various sizes for Philadelphia Mowers. Low-wheel: 10-in., $1.40; 12-in., $1.50; 14-in., $1.60; 16-in., $1.70; 18-in., $1.80; 20 in., $1.90. High-wheel: 15-in., $1.70; 17-in., $1.80; 19-in., $1.90; 21-in., $2.00.

**PHILADELPHIA LAWN TRIMMER.** 8-in. drive-wheel; 4 blades, revolving cutter. Cuts 6 inches wide. Trims to ¼ of an inch from the edge of sidewalks, around trees and shrubs, and all places not reached by the mower. Each, $5.00.

**LAWN MOWER REPAIRS.** We carry a large stock of extra parts for the Philadelphia Lawn Mower, and can give you prompt service. We employ an expert to repair and sharpen mowers. Prices reasonable.

**EMERY.** For sharpening mowers. Best grade, oz., 5c.

**LAWN MOWER OIL.** High grade, 4 oz. can, 15c.

**EDGING KNIVES.** 8-inch; **Imported**, each $1.25; **Domestic**, with 4-ft. handle, each 75c.

**GRASS HOOKS, or Sickles.** English: No. 0, 50c; No. 1, 55c; No. 2, 60c; No. 3, 65c. American: No. 2, 40c; German, 30c; Little Giant, 50c.

## Hose and Accessories

**HOSE, Gardener's Brand.** Recommended to those who wish a good serviceable hose at a moderate price. 50 ft., $6.00. 100 ft., $11.00.

**Revero.** A ¾-inch hose; light, strong, seamless, and non-kinkable. Supplied in any length at 18c per foot. Couplings included with 25-ft. lengths or over.

**HOSE CLAMP, Bull Dog.** Strong, reliable, satisfactory. Each, 5c; doz., 50c.

**HOSE COUPLINGS.** Cast brass; pair, 10c.

**"The Snap,"** simple and durable; quickly and easily connected. For ¾-inch hose. Each part, 15c; pair, 30c.

**HOSE=MENDERS, Iron.** ¾-inch, each, 5c; doz., 50c.

**Cooper's.** Brass; will not rust nor wear out. They make old hose like new. Each, 10c; doz., $1.00.

**Perfect Clinching.** Each, 10c; doz., $1.00.

**HOSE NOZZLES, Gibb's.** Can be adjusted to a very fine spray or solid stream. Very useful in the garden or on the lawn. For ¾-inch hose. Each, 35c.

**Boston.** Brass, for ¾-inch hose. Each, 50c.

**HOSE REELS.** All iron; holds 100 feet of ¾-inch hose, $2.75; 150-foot size, $3.00.

**HOSE WASHERS.** ¾-inch. Doz., 10c.

## Lawn Rollers

**DUNHAM'S ROLLER BEARING.** They are made in all sizes and styles from 150 to 12,000 pounds, for hand, power, or horse-power, and are guaranteed to run 44 per cent easier than all others. The face of the Dunham Roller is turned perfectly smooth and silver finished, and the outer edges are rounded to avoid cutting up the turf.

| No. | Diam. | Length | Sec. | Weight | Price |
|---|---|---|---|---|---|
| 402 | 15 in. | 24 in. | 3 | 200 lbs. | $10.00 |
| 404 | 20 in. | 20 in. | 2 | 250 lbs. | 12.50 |
| 407 | 20 in. | 24 in. | 2 | 300 lbs. | 15.00 |
| 409 | 24 in. | 20 in. | 2 | 400 lbs. | 20.00 |
| 413 | 28 in. | 24 in. | 2 | 500 lbs. | 25.00 |

**DUNHAM'S WATER ROLLER.** The steel drum of this roller is 24 inches in diameter and in width. Roller weighs 115 lbs. empty, 470 lbs. filled with water, and 770 lbs. if sand is used. Not necessary to stand on end when filling. Price, $14.00.

**RAKE, Gibb's Lawn.** This has thirty copper steel wire teeth. The head has a guard to prevent grass from falling over back. Each, 50c. **Ole Olson:** each, 50c.

**Steel.** 14-tooth, each 50c.

**SCYTHES, Imported English.** Recommended for lawn use. Thin steel blades with riveted back; 32, 34, and 36 inch. Either size, $1.35.

**American.** 32, 34, and 36 inch. Each, $1.00.

**Brush or Briar.** 32 and 34 inch. Each, 90c.

**SCYTHE SNATH, or Handle,** with patent fastener. Each, $1.

**SCYTHE STONE, Round Talacre.** Each, 15c.

**SHEARS, Border.** For trimming edges of borders and sidewalks. 9-inch; with wheel, $2.75; without, $2.50.

**Grass.** Imported, $1.00; Domestic, 35c.

**Lawn.** For cutting grass where mower will not reach. 2 wheels. Each, $2.50.

## Sprinklers for Lawns, Etc.

**Blake or Butterfly.** Much used in Chicago parks. The spray being formed by a jet of water playing on a revolving spoon. Very efficient and durable. **Blake,** for attaching direct to hose, each 30c. **Busy,** 7 inches tall on sled, each 60c.

**Garden City,** 13 inches tall on sled, each 80c.

**Hartford.** This sprinkler is made in four heights: 2 ft., 75c; 4 ft., 85c; 6 ft., $1.00; 8 ft., $1.25.

**C. B. G.** A small, efficient sprinkler, each 25c.

All sprinklers have connections for ¾-inch hose.

# GARDEN TOOLS AND SUNDRIES

*Prices Given Do Not Include Prepaying of Charges Except Where Noted*

**APRONS, Black Duck.** For protecting clothing when sprinkling or potting, $1.00. Medium weight **Rubber,** $1.75.

**ASPARAGUS BUNCHER.** No. 1, $3.50; No. 4, $3.50.

**ASPARAGUS KNIVES, Imported,** with saw-tooth blade, each $1.50.

**American,** with V-shaped edge, each 50c.

**CORN HUSKING PINS.** Each, 15c.

**HAND CORN PLANTER, Eagle.** Each, $1.35.

**DAISY GRUBBER.** Imported tool for pulling daisies and weeds. Each, $1.40.

**DIBBER.** For setting plants. Iron, each 30c. Wooden handle, steel point, each 35c.

**FORKS.** Digging or Spading Forks. Four tines; strap ferrule; malleable D-handle. Each, $1.00.

**GARDEN LINE.** Best hemp, braided. 100 ft., 60c.

**Garden Line Reel.** Malleable iron. Each, 60c.

**GRAFTING WAX** in bars. ¼ lb., 10c; ½ lb., 20c; 1 lb., 30c.

**GRASS HOOKS (Sickles).** English, 50c each; German, 30c.

**GLASS CUTTER and Glazing Tool.** Each, 10c.

**GLAZING POINTS, Peerless.** For repairing hotbed sash. Per 1,000, 70c.

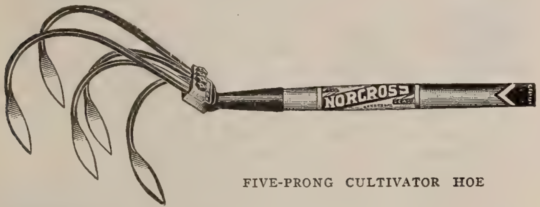
**GOOSEBERRY PRUNER.** Imported; specially designed for removing the dead canes from gooseberries, raspberries, etc. Each, $1.00.

**HOES, Imported Dutch Scuffle.** 6-in., 60c; 7-in., 65c; 8-in., each 70c.

**American Scuffle.** 8-in. solid socket; cast steel. Each, 65c.

**Garden.** 8-in., 50c; best grade, 65c.

**Warren.** V-shaped; the best garden hoe made. Each, 70c.



FIVE-PRONG CULTIVATOR HOE

**Cultivator Hoe, "Norcross."** Works between the rows or center prong can be removed and the rows straddled. An excellent tool for pulverizing the soil. 5-prong, 75c; 3-prong, 50c; Midget, 35c.

**HOE HANDLES.** Each, 20c. **Rake Handles.** Each, 25c.

**HOSE AND NOZZLES.** See page 90.

**HOTBED BLANKETS.** Made of jute, thickly padded with waste, wool and cotton. Size, 76x76 in. Each, $1.50.

**KNIVES.** We sell the best quality steel-blade knives made by Saynor & Cook, England.

**Budding and Propagating.** No. 343. Double blade, ivory handle. Each, $1.50.

**Budding.** No. 400. Single blade, ivory handle. Each, $1.35.

**Propagating.** No. 401. Each, $1.35.

**Pruning.** Rough bone handle; medium size, small blade, each $1.00. Double blade, each $1.15. Large size, small blade, each $1.50.

## Labels

**Wooden Pot Labels, Painted**

| Size | 100 | 1,000 |
|---|---|---|
| 4-in. | $0.15 | $1.00 |
| 5-in. | .20 | 1.50 |
| 6-in. | .25 | 1.75 |
| 10-in. | .50 | 4.00 |
| 12-in. | .75 | 5.00 |

**Garden Stakes.** 8-inch. Painted. 100, 60c; 1,000, $5.00.

**Tree Labels.** 3½ inches. Notched and copper wired. 100, 20c; 1,000, $1.75.

**Aluminum Labels.** Dozen, 30c.

**Copper Labels.** Indestructible and always legible. 3⅝x3¼ inches. 100, $1.50.

**MOLE TRAP.** Olmsted's Improved. Each, $1.50.

**PLANT PROTECTING CLOTH.** Valuable for covering hotbeds and frames in the spring instead of glass, and for throwing over bedding plants in the fall. Medium grade, yard 15c. By piece, about 60 yds., per yd. 12c. Heavy grade, yard 18c; by piece, per yard 17c.

## Pots and Bulb Pans

We pack pottery with care, but will not be responsible for breakage in transit.

**Standard Pots**

| | Doz. | 100 | 1,000 |
|---|---|---|---|
| 2-in. rose | $0.12 | $0.65 | $ 5.50 |
| 2½-in. | .15 | .85 | 7.00 |
| 3-in. | .20 | 1.25 | 10.00 |
| 4-in. | .35 | 1.75 | 15.00 |
| 5-in. | .45 | 3.50 | 25.00 |
| 6-in. | .65 | 4.00 | 40.00 |
| | | Doz. | 100 |
| 7-in. | | 1.00 | 7.00 |
| 8-in. | | 1.40 | 10.00 |
| 10-in. | | each | .25 |
| 12-in. | | each | .40 |

Above prices are F. O. B. Chicago.

**Bulb or Fern Pans**

| | Each | Doz. |
|---|---|---|
| 6-in. | $0.07 | $0.75 |
| 7-in. | .08 | .85 |
| 8-in. | .12 | 1.25 |
| 10-in. | .25 | 2.00 |

**Saucers**

| | Doz. | 100 |
|---|---|---|
| 3-in. | $0.15 | $1.00 |
| 4-in. | .25 | 1.50 |
| 5-in. | .35 | 2.00 |
| 6-in. | .45 | 2.75 |
| 7-in. | .50 | 3.50 |
| 8-in. | .80 | 5.00 |
| 10-in. | each | .15 |
| 12-in. | each | .20 |

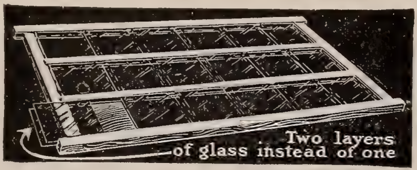
**On orders of less than $5.00, packing extra.**

**RAFFIA.** The best tying material for plants. It is also used to make fancy baskets and other articles. Will keep indefinitely. **Natural.** Lb., 25c; 10 lbs., $1.75. **Dyed.** Red, yellow, orange, black, and green. Lb., 50c.

**RAKES, Steel Garden.** 14-tooth. Each, 50c.

**Steel Gravel or Short-tooth Rake.** 14-tooth, each 60c.

**SASH, Hotbed.** Unglazed, 3x6 ft., $1.50. Glazed, 3x6 ft., 10x12 inch glass. Painted with white lead and glazed. Write for price. Packing extra.


Two layers of glass instead of one

SUNLIGHT DOUBLE GLASS SASH

**Sunlight Double Glass Sash.** Has many advantages. Among these are the two layers of glass with dead air space which excludes the cold and retains the heat. Does not have to be covered. Easily repaired. 3x6 ft. Unglazed and unpainted, each $2.25. Glazed and painted, each $4.20; extra for packing, 25c per glazed sash.

**Sunlight Double Glass Pony Sash.** Size 34½ x 38¼; 12 x 12 glass. A very convenient amateur's hotbed. Unpainted, each $1.75; painted and glazed, each $2.75. Packing extra.

Illustrated Descriptive Circular of Sunlight Sash free for the asking.

**SAWS, Pruning.** Made of superior quality steel.

**Duplex.** Double edge. 18-inch. 75c.

**California Crescent Pattern.** 12-inch blade. 60c.

**Disston's.** Adjustable. Tapered; with socket handle. 14-inch, each $1.75. Extra blades, 25c.

## Shears or Scissors

**Border.** For trimming around walks and flower beds. 9-inch blade with wheel, $2.75. Without wheel, $2.50.

**Flower Gatherers, Imported.** 6-inch. Each, $1.25.

**Pruning.** Best grade imported German. All steel, with brass spring. No. 205. 8½-inch, each $1.60; 9-inch, each $1.75. With spiral spring, 7½-inch, each $1.20; 8½-inch, each $1.40. No. 1538. 8½-inch, each $0.75.

**Rhodes' Double-Cut.** Scientific Pruning Shears. 9-inch, each $2.00.

**Domestic Shears.** Each, 50c.

**SEED SOWER, Cahoon's Broadcast.** For sowing grass and field seeds. The best broad-caster; substantially built. Each, $3.25.

**SYRINGES, Scollay's Rubber.** For spraying house plants. Large, each $1.00; medium, 75c; small, 60c.

**SPADES, Ames.** Solid steel, D-handle, square point, plain back. No. 2, $1.35.

**SHOVELS, Ames.** Solid steel, D-handle, plain back. Each, $1.35.

# GARDEN TOOLS AND SUNDRIES, Continued

***Prices Given Do Not Include Prepaying of Charges Except Were Noted***

## STAKES, Galvanized Wire

| | Doz. | 100 | | Doz. | 100 |
|---|---|---|---|---|---|
| 2 ft. | $0.15 | $0.60 | 4 ft. | $0.30 | $1.25 |
| 3 ft. | .20 | .85 | 5 ft. | .35 | 1.60 |
| 3½ ft. | .25 | 1.00 | | | |

**Canestakes.** For tying Roses, etc. 6 to 8 ft. 100, $1.00.

**Bamboo Stakes.** Dyed green. Small and inconspicuous, but strong and useful for small plants.

| | Doz. | 100 | 1,000 |
|---|---|---|---|
| 18 in. | $0.15 | $0.50 | $3.50 |
| 24 in. | .20 | .70 | 4.50 |
| 36 in. | .25 | 1.00 | 7.00 |

**Dahlia Stakes.** Square; painted green.

| | Doz. | 100 |
|---|---|---|
| 3 ft. | $0.75 | $5.50 |
| 4 ft. | 1.00 | 7.25 |
| 5 ft. | 1.15 | 9.00 |

## Thermometers

**Hotbed or Mushroom.** Wood frame; pointed brass bottom for plunging. Best, $2.00; medium, $1.25.

**Japanned, Tin Case.** 8-inch. Each, 12c.

**Long Distance.** Large figures and red mercury. Each, 15c.

**Self-Registering.** Indicates maximum and minimum degree of heat and cold during the day. Porcelain face, 8-inch, each $3.00. Wood face, each $2.75.

## Garden Trowels

**Forged Steel, No. 211.** Blade and shank are one piece. 6-inch, each 40c; 7-inch, 45c; 8-inch, 50c.

**Solid Steel, No. 212.** A strong tool, 6-inch. 30c.

**English Pattern, No. 215.** 6-inch. Each, 20c.

**Neverbreak.** Handle and blade in one. Each, 15c.

**Ladies' Flower Trowel.** For light work. Each, 10c.

**Transplanting.** 6-inch, 20c; 7-inch, 30c.

**Imported English.** Cast steel, welded through tang. 6-inch, $1.00; 7-inch, $1.15.

**TOMATO SUPPORTS.** Light wire frame for supporting tomatoes, peonies, dahlias, etc. Each, 25c; dozen, $2.00.

**TREE PRUNERS, Waters.** Handles: 4-ft., 60c; 6-ft., 75c; 8-ft., 90c; 10-ft., $1.00; 12-ft., $1.10. Extra knives, ea. 20c.

**Seabright's Compound Level.** Very powerful. Cuts large limbs easily. 6 to 8 ft., each $3.00; 10 to 12 ft., $3.25. 14 to 16 ft., $3.50.

**TREE SCRAPER.** With handle, each 75c.

**TWINE, Green Linen on tubes.** Each, 15c; lb., 65c.

**Cotton.** Green, per lb. 35c. White, per lb. 35c.

**Hemp.** No. 18; strong twine for tying. Per lb., 35c.

**Jute.** 2 or 3-ply. For bunching. Lb., 20c; 10 lbs., $1.60.

## Watering Pots

**Galvanized Iron; long spout; well made.**

**American.** With two copper-faced nozzles. 8-qt., $2.25; 10-qt., $2.50; 12-qt., $2.75.

**"IC."** Tin, with zinc rose. 6-qt., 30c; 8-qt., 40c; 12-qt., 60c.

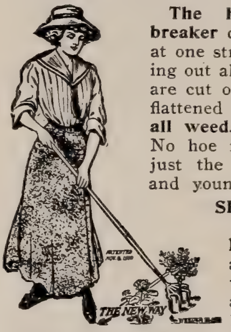
**Medium weight.** Galvanized iron. With zinc rose, 6 qt., 40c; 8-qt., 50c; 12-qt., 65c.

**WEEDERS. Brighton,** each 10c; **Hazeltine,** each 20c; **Lang's,** each 20c; **Weeding Fork,** 3 tined, each 10c; **Weed Pullers,** Climax, 36-inch handle, each 85c.

**Dandelion Spuds,** 2½-inch with 4½-ft handle, each 25c.

**Thistle Cutters,** 8 x 2, polished steel blade, each 50c.

**Mehler's Handy Gardener.** A combination garden tool. "Works with ease—saves the knees." Each, 85c.



**The Handy Gardener and anti-back breaker** cultivates on three sides of the plant at one stroke. The teeth will take hold, pulling out all large weeds, and the smaller weeds are cut out by the right-hand tooth, which is flattened out to a knife blade. It can **rake all weeds** together and then pick them up. No hoe is needed where this tool is used; just the thing for working among flowers and young vegetable plants.

**SELF-WATERING WINDOW BOXES**

Made of Heavy Galvanized Iron, handsomely enameled, and warranted against leakage. Reservoir in bottom supplies water to roots in exactly the right quantity and holds 10 to 15 days' supply. Write for Special Catalog containing description of these goods and a Treatise on Care of Plants, with 15 combinations for window and veranda boxes, by Eben E. Rexford.

**WHEELBARROW, Globe Garden.** Medium size, box 30 inches long, 19 inches wide at wheel end, 24 inches at handle end, 12 inches deep, 20-inch steel wheel. Painted green, varnished and striped. Each, $3.60.

## Horticultural Books

**Mailed postpaid to any Postoffice in the United States.**
*Any other book can be supplied at publisher's retail price.*

"There are two most valuable possessions which no search warrant can get at, which no execution can take away, and which no reverses of fortune can destroy: they are what a man puts into his brain—KNOWLEDGE, and into his hands—SKILL."

| | |
|---|---|
| Alfalfa (Coburn). Its growth, uses, etc. | $0.50 |
| Asparagus Culture (Hexamer). Advice on Planting, Cultivation, Harvesting, and Marketing | .50 |
| Bean Culture (Seavy) | .50 |
| Bulbs and Tuberous Rooted Plants (Allen) | 1.50 |
| Bush Fruits (Card) | 1.68 |
| Cabbage, Cauliflower (Allen) | .50 |
| Celery Culture (Beattie) | .30 |
| Cucumber Culture for Amateurs (May) | .50 |
| Farmer's Cyclopedia of Agriculture. An essential reference book for students and all engaged in farming. 800 large pages; beautiful illustrations | 3.50 |
| Floriculture, Practical (Henderson) | 1.50 |
| Forage Crops (Voorhees) | 1.50 |
| Forcing Book. Vegetables under Glass (Bailey) | 1.34 |
| Fumigation Methods (Johnson) | 1.00 |
| Fruit Garden (Barry) | 1.50 |
| Fungi and Fungicides (Weed) | 1.00 |
| Gardening for Pleasure (Henderson) | 1.50 |
| Gardening for Profit (Henderson) | 1.50 |
| Grasses, How to Grow Them (Shaw) | 1.00 |
| Grasses and Forage Plants (Flint) | 2.00 |
| Greenhouse Construction (Prof. Taft) | 1.50 |
| Greenhouse Management (Taft) | 1.50 |
| Handbook of Plants (Henderson) | 3.00 |
| Hardy Plants, A Plea for (Elliot) | 1.60 |
| Home Floriculture (Page) | .25 |
| Home Grounds, How to Plan (Parsons) | 1.00 |
| House Plants (P. T. Barnes) | $1.10 |
| Horticulturist's Rule Book (Prof. Bailey). Valuable for workers in garden, greenhouse, or farm | .84 |
| How to Grow Melons | .20 |
| Insects and Insecticides (Weed) | 1.50 |
| Lawns and How to Make Them | 1.10 |
| Manual of Gardening (Bailey) | 2.00 |
| Market Gardening and Farm Notes (Landreth) | 1.00 |
| Mushrooms, How to Grow Them (Falconer) | 1.00 |
| Nursery Book, The (Prof. Bailey) | 1.66 |
| Onion Culture (Greiner) | .50 |
| Potato, The (S. Frazer) | .75 |
| Principles of Vegetable Gardening (Bailey) | 1.66 |
| Propagating of Plants, The (Fuller) | 1.50 |
| Pruning Book, The (Bailey). Explains in detail | 1.66 |
| Rhubarb Culture, The New (Morse). A guide to dark forcing and field culture | .50 |
| Roses and How to Grow Them | 1.10 |
| Small Fruit Culturist (Fuller) | 1.00 |
| Soil, Fertility and Permanent Agriculture (Hopkins) | 2.25 |
| Spraying of Plants, The (Lodeman) | 1.25 |
| Strawberry Culturist. Illustrated (Fuller) | .25 |
| Sweet Potato Culture (Fritz) | .50 |
| Tomato Culture (Tracy) | .50 |
| Vegetables and Garden Herbs (French) | 1.90 |
| Vines and How to Grow Them | 1.10 |
| Weeds, How to Eradicate Them | .50 |
| Window Gardening (Dorner) | 1.25 |

Incubators
Brooders

# POULTRY SUPPLIES

Feeds
Appliances

We take much pleasure in listing the following most popular and useful articles in Poultry and Pigeon Supplies, as well as the necessities, such as feeds, grain, etc. For anything you need in this line not listed kindly write us. Correspondence promptly answered by our specialist.

### TERMS

**Net Cash, F. O. B. Chicago.** The quotations named in this catalog include delivery in Chicago and suburbs. Special prices on larger quantities quoted on request. *Prices subject to market changes and without notice.*

### SHIPPING DIRECTIONS

should accompany each order. State definitely if you wish us to send by express or freight. In absence of instructions we reserve right to decide as to route and manner of transportation.

While we are always glad to have our customers visit our store, inspect our goods, and leave their orders, our list of regular "mail order" customers is constantly growing. Appreciating the confidence thus placed in us and in our goods, it shall always be our aim to see that this branch of our trade receives special attention. Write for our new 16-page Poultry Catalog. It wll be mailed upon application.

Realizing the growing demand for strictly first-class poultry feeds, we offer a line which stands the test and produces **results.** Each brand has been compounded for a specific purpose, from high-class grain. Guaranteed to comply with pure food law, and to please you. The rapid increase of sales in our Poultry Department is most gratifying, and proves our goods are satisfactory.

---

## DO YOU WANT EGGS?

**If so, feed the best feeds on the market, which are**

**Barnard's Sure Lay Scratch,**

**and**

**Barnard's Sure Lay Mash.**

### BARNARD'S SURE LAY SCRATCH

**Sure Lay Scratch** is a combination of nine different grains and seeds correctly proportioned, producing a balanced ration that meets the exact requirements of growing or laying stock. It is especially suited to laying stock when fed in conjunction with **Sure Lay Mash,** producing the highest egg yield, yet not impairing the fertility of eggs for hatching, as it does not contain any stimulants. For developing growing stock it has no equal, as it is rich in bone, flesh, blood, and muscle building elements.

### BARNARD'S SURE LAY MASH

**Sure Lay Mash** is composed of eight different kinds of feed producing a ground feed more easily assimilated than whole grain. It is a correctly balanced ration for egg production. Should be kept before the fowls at all times in hoppers. Feed **Sure Lay Mash** in conjunction with **Sure Lay Scratch** and watch your egg record go up.

### BARNARD'S HAPPY HEN POULTRY FEED

**Happy Hen Poultry Feed** is composed of wheat, cracked corn, Kaffir corn, buckwheat, barley, oats, and peas—all carefully selected wholesome grain. A good feed for growing and laying stock.

### BARNARD'S SURE LIVE CHICK FEED

**In Two Sizes—Fine and Coarse**

**Sure Live Chick Feed** is composed of grain and seeds, combined in correct proportions to make a perfect balanced ration. This feed suits the needs of little chicks, promotes growth, and develops bone and muscle.

Start the little chicks on fine Sure Live Chick Feed. At one week of age, in addition feed twice a day all they eat up clean of Sure Lay Mash. At the age of five or six weeks substitute the Coarse Chick Feed for the Fine, continuing the Dry Mash. Keep their quarters clean, dry, and comfortable. Keep grit, charcoal, and fresh water before the chickens all the time.

### PIGEON FEED

A balanced ration composed of Peas, Kaffir Corn, Buckwheat, Wheat, Millet, Cracked Corn, and Hemp Seed. Contains every element for bone- and muscle-building. Keeps pigeons healthy.

### PURE CUT ALFALFA

Our Pure Cut Alfalfa is preferred by most poultrymen to the fine ground Alfalfa Meal. When wet freely, it has the appearance and flavor of fresh cut grass and is eagerly eaten "stems and all" by the poultry.

### ALFALFA LEAF MEAL

Many feeders prefer Alfalfa Meal to Cut Red Clover on account of its high protein value and its powerful digestive properties. Our Alfalfa Meal is made from choice Alfalfa leaves, the very best portion of the entire Alfalfa plant, and is worth a great deal more than the ordinary grades.

### GRANULATED POULTRY BONE

Consists of cracked beef bone, dried and free from grease. Rich in phosphate and lime. It is necessary for making good smooth egg shells, and helps build up the frame of the fowl.

### POULTRY CHARCOAL

**Coarse, Medium, Fine**

Keeps poultry strong, healthy, and aids digestion. Corrects wrong feeding. Fowls young and old should have access to it at all times.

### GRIT

Essential to chicks and fowls at all times. Grit grinds their foods. It is, in fact, their teeth. Comes in three sizes, fine, medium, and coarse.

### CRUSHED OYSTER SHELL

It has been clearly demonstrated that oyster shell is necessary to laying fowls to enable them to produce egg shells of proper quality. Should be kept before them continually, summer and winter. Two sizes, fine and coarse.

### PRATT'S BABY CHICK FOOD

A scientific ration for the successful raising of young chicks. 1 lb., 10c; 3 lbs., 25c; 6½ lbs., 50c; 14 lbs., $1.00.

**We Are Distributors of**

## Park & Pollard's Celebrated Poultry Foods

Special prices on large quantities and to dealers.

### GRITLESS CHICK FOOD

A complete grain, seed, and meat ration for baby chicks, containing dried shredded codfish, supplying lime, protein, and phosphorus in the right proportions.

### INTERMEDIATE CHICK FEED

Feed after the chicks reach three weeks of age until about eight weeks old, in connection with Growing Feed. Keep Growing Feed before them continually, watch their growth and weight, and you will be surprised.

### GROWING FEED

A combination of the strongest and richest grains and meat food ground together. Produces rapid growth, strong and highly developed pullets and cockerels.

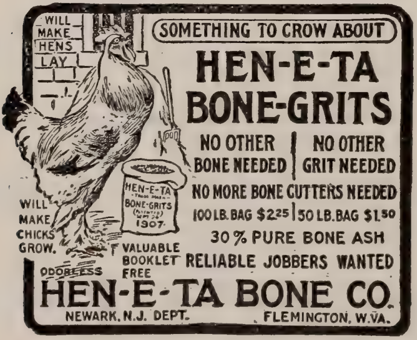
### DRY MASH LAY OR BUST

Start your pullets on a ration of Growing Feed and Dry Mash, half of each, when they are about a month from laying, dropping the Growing Feed as soon as they begin to lay. Keep Dry Mash before them all the time, feeding a liberal portion of Scratch Feed.

### SCREENED SCRATCH FEED

The more they scratch, the more they lay. Screened Scratch Feed is composed of a variety of grains, carefully balanced to fit in exactly with the Dry Mash ration, producing strong, healthy fowls, increased vitality, and full egg basket.

### HEN-E-TA



Hen-e-ta is a highly phosphoric mineral deposit that has been baked in a temperature of 3000° Fahrenheit, which renders it very gritty yet porous. Made in four grades: No. 1, fine, for young chicks; No. 2, medium, for laying hens; No. 3, coarse, for large fowls and turkeys; No. 4, superfine, for mashes.

**Prices**

10 lbs., 50c; 50 lbs., $1.50; 100 lbs., $2.25; 500 lbs., $9.00.

### POULTRY FEED AND GRAIN

| | 5 lb. | 10 lb. | 50 lb. | 100 lb. |
|---|---|---|---|---|
| SURE LAY SCRATCH | $0.20 | $0.30 | $1.20 | $2.00 |
| SURE LAY MASH | .20 | .30 | 1.25 | 2.25 |
| HAPPY HEN POULTRY FEED | .20 | .30 | 1.00 | 1.80 |
| SURE LIVE CHICK FEED, fine | .25 | .40 | 1.40 | 2.40 |
| SURE LIVE CHICK FEED, coarse | .25 | .40 | 1.40 | 2.40 |
| PIGEON FEED | .25 | .40 | 1.50 | 2.50 |
| ALFALFA, CUT | .20 | .30 | 1.45 | 2.00 |
| ALFALFA MEAL | .20 | .30 | 1.00 | 1.90 |
| ALFALFA LEAF MEAL | .20 | .35 | 1.25 | 2.25 |
| CHARCOAL, fine, medium, coarse..........2 lbs., $0.10 | ... | .45 | 1.25 | 2.25 |
| GLUTEN FEED | .20 | .35 | 1.25 | 2.25 |
| GRANULATED BONE, fine medium, coarse | .20 | .35 | 1.75 | 3.00 |
| HEN-E-TA, in four grades, fine, medium, coarse, and superfine | .25 | .50 | 1.50 | 2.25 |
| MEAT SCRAP | .25 | .45 | 1.75 | 3.00 |
| MEAT SCRAP, Swift's | .25 | .50 | 2.00 | 3.60 |
| MEAT SCRAP, Darling's | .25 | .45 | 1.80 | 3.25 |
| FLAXSEED MEAL | .40 | .75 | 3.00 | 5.00 |
| OIL CAKE MEAL | .20 | .35 | 1.75 | 3.00 |
| OYSTER SHELL | .05 | .10 | .40 | .75 |
| GRIT, in three sizes | .05 | .10 | .40 | .70 |
| MUIR'S HEALTH GRIT | .20 | .35 | 1.25 | 2.00 |
| FOUST'S HEALTH GRIT | .20 | .35 | 1.25 | 2.00 |

FRENCH'S POULTRY MUSTARD:
1½-lb. box......$0.35     5-lb. box......$1.15
10-lb. box...... 2.00     25-lb. pail...... 5.00

### PARK & POLLARD POULTRY FOODS

| | | |
|---|---|---|
| LAY OR BUST MASH | 100 lbs. | $2.50 |
| SCREENED SCRATCH | 100 lbs. | 2.25 |
| GROWING FEED | 100 lbs. | 2.50 |
| GRITLESS CHICK | 100 lbs. | 2.75 |
| INTERMEDIATE CHICK | 100 lbs. | 2.50 |

Corn, whole
Corn, cracked
Corn-meal
Wheat
Wheat bran
Wheat middlings
Wheat, hard red (for Pigeons)
Oats
Oats, hulled
Oats, steel cut
Buckwheat
Kaffir Corn
Canada Peas
Canary Seed
Hemp
Millet
Rape (Imported)

On account of the variations of the market we are unable to quote a price on these commodities, but will gladly furnish latest market quotations on application.

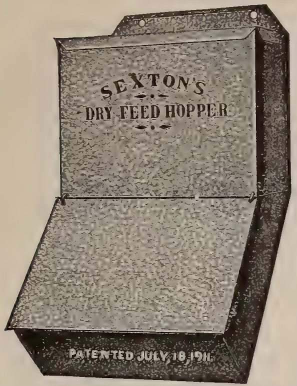
For anything you need in this line not listed here, kindly write us. Correspondence promptly answered by our specialist.

**Write for Samples of Feeds**

### SPRATT'S PATENT FOODS

| | 5 lb. | 10 lb. | 50 lb. | 100 lb. |
|---|---|---|---|---|
| Spratt's Poultry Food No. 3, for adult birds; splendid to condition birds for show rooms | $0.40 | $0.75 | $3.25 | $6.00 |
| Spratt's Chick Meal for starting baby chicks | .40 | .75 | 3.25 | 6.00 |
| Grissel or Prairie Meat for poultry and game | .40 | .65 | 2.50 | 5.00 |
| Pheasant Meal, for young pheasants | .40 | .75 | 3.25 | 6.00 |

## SEXTON'S DRY FEED HOPPER

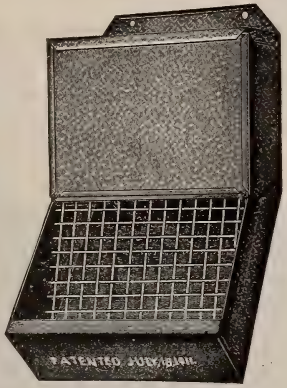


Dry feeding has become very popular. It has proved to be a satisfactory, economical, and labor-saving method of feeding poultry.

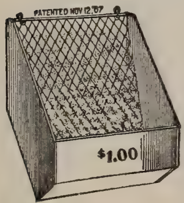
Sexton's Dry Food Hopper is well made of heavy galvanized iron and with ordinary care should last a lifetime. This hopper is superior in every way to a wooden one. The wooden hopper attracts dampness and mold, which are always undesirable.

Sexton's Dry Feed Hopper is the best of its class. Simple in construction, easily operated, and absolutely rat and mouse proof.

This hopper is arranged to hang on the wall the desired distance from floor and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste. The body being covered keeps feed dust proof and clean, and is always dry. No. 1, Poultry Size, $1.00 each.



## THE BOSTON HOPPER

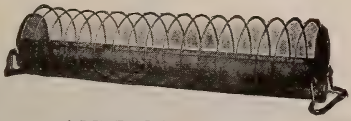


The Boston Hoppers are absolutely automatic and positive in their action. They can not clog; they do not waste. They are made of galvanized iron with swinging grid (mesh), and hold from ½ peck to ½ bushel respectively, and will last a lifetime. Feed is always accessible and in sight. Each, $1.00.

## THE HUB FEEDER

It is sanitary. Keeps the feed clean and dry. Chickens can not get into it and will not waste the feed. Turn it over on its side with the feed in it and it becomes rat proof.

9-inch size......35 cts. 15-inch size......50 cts.



## AMERICAN FEEDER

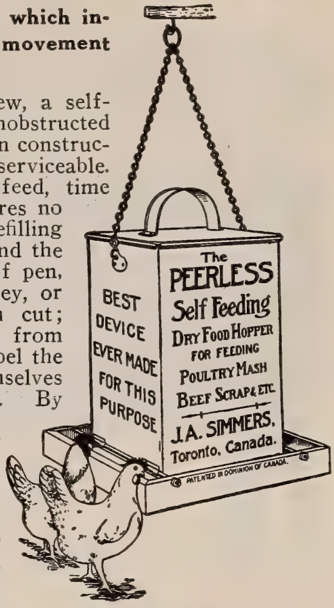
| | | Each | Six | Doz. |
|---|---|---|---|---|
| No. 1. | 18 in.................. | $0.50 | $2.75 | $ 5.10 |
| No. 2. | 24 in.................. | .75 | 4.00 | 7.65 |
| No. 3. | 36 in.................. | 1.00 | 5.40 | 10.20 |

## 1—2—3 DRY MASH FEEDER

Suitable for small flocks. Made of heavy galvanized iron with movable section by which it can be changed in an instant to one, two, or three compartments. Hangs on wall out of way. Holds one peck. Each, 75 cents.

## PEERLESS DRY FOOD HOPPER

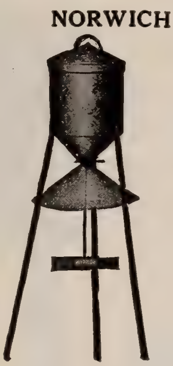
**Has cone in center which insures continuous movement of feed.**



This device is new, a self-feeder with an unobstructed feed outlet; simple in construction, strong and serviceable. A great saver of feed, time and labor. It requires no attention except refilling when empty. Suspend the hopper from roof of pen, using cord and pulley, or hook, as shown in cut; always high enough from floor of pen to compel the birds to exert themselves to reach the food. By this method of use it occupies no floor or wall space, and is inaccessible to rats or mice.

8 qt. size.....$1.00
16 qt. size..... 1.50
32 qt. size..... 2.00

## NORWICH AUTOMATIC EXERCISER



and Feeder scatters the grain in the litter or upon the floor. The chickens operate the feeder themselves and can have all the feed they want, but have to work for all they get. All you have to do is to fill the hopper once a week and let the chickens do the rest.

It is adjusted to all sizes of flocks and all sizes of chickens. Absolutely guaranteed to be rat and bird proof; rain and damp proof. Saves grain, labor and time. Increases egg production and fertility of the eggs.

| | Size Hopper | Shipping Weight | Capacity | Price |
|---|---|---|---|---|
| No. 1 | 8-quart | 12 lbs. | 12 chickens | $2.50 |
| No. 2 | 14-quart | 15 lbs. | 20 chickens | 3.25 |
| No. 3 | 20-quart | 20 lbs. | 30 chickens | 4.10 |
| No. 4 | 32-quart | 30 lbs. | 50 chickens | 5.00 |

## IDEAL AUTOMATIC FEEDER AND EXERCISER

This feeder is made so it can be hung from the ceiling or any suitable place, thereby making it possible to scatter grain farther than any other automatic feeder. You simply fill the hopper with any kind of grain you wish to feed and adjust it to feed any amount you like. 12-quart, $1.75; 20-quart, $2.25.

## GRIT AND SHELL BOX

This box is made of heavy galvanized iron, with three compartments, for grit, oyster shell and charcoal or beef scrap. It is provided with a cover or lid, which protects the contents. Each, 50 cents.

## ATSATT'S CHICK FEEDER

**The LATEST and BEST for the Brooder**

Equally good for water or food. Capacity, one quart. Just the thing for the brooder. Price, 25c.

## APEX CHICK FEEDER

Each: 3 hole, 25c; 6 hole, 45c; 9 hole, 60c.

# Buckeye Incubators and B[illegible]

In addition to the testimony of hundreds of our customers we know of no argument stronger than the guarantee of the manufacturers of this deservedly popular incubator.

### GU[illegible]AN[illegible] pu-

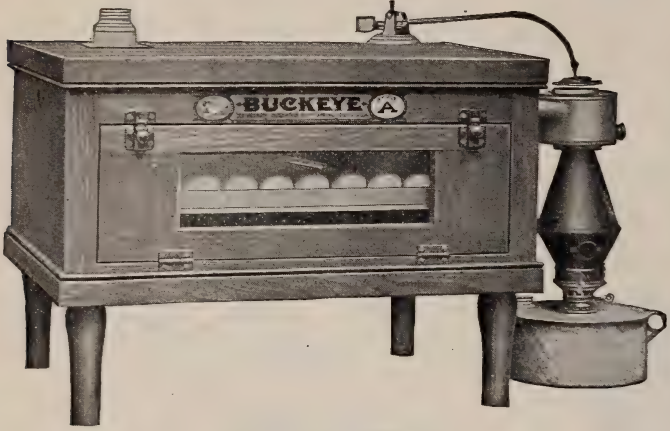
This BUCKEYE incuba[illegible] teed to hatch every hatchable [illegible]fy complete in every detail, and in perfect working order.

We guarantee the efficiency of all its mechanical parts, and the material of which it is constructed is guaranteed against deterioration from wear for a period of five (5) years.

If this incubator, or any part thereof, should fail to fulfill our guarantee, the entire machine or any defective part (excepting thermometers and lamp burners) may be returned to us any time within five (5) years, and we will place same in perfect working order, or replace it, without charge.

Thermometers and lamp burners are guaranteed against defect and breakage upon arrival. Should either be defective or broken upon arrival, we will replace them without charge.

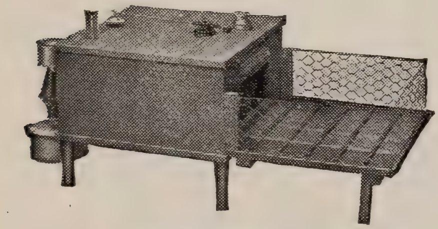
(Signed) THE BUCKEYE INCUBATOR CO.



BUCKEYE INCUBATOR, STYLE A

### BUCKEYE INCUBATOR

| | |
|---|---|
| Style "C" 50 eggs | $ 6.00 |
| Style "A," 60 eggs | 8.00 |
| Standard, 60 eggs | 10.00 |
| No. 1 Standard, 110 eggs | $16.00 |
| No. 2 Standard, 175 eggs | 20.00 |
| No. 3 Standard, 250 eggs | 27.50 |
| No. 4 Standard, 350 eggs | 35.00 |

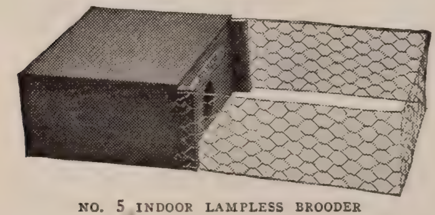


BUCKEYE BROODER, NO. I

### BUCKEYE BROODERS

| | |
|---|---|
| No. 1 Indoor Heated, for 50 chicks | $7.00 |
| No. 2 Outdoor Heated, for 50 chicks | 9.00 |
| No. 3 Indoor Heated, for 100 chicks | 9.00 |
| No. 4 Outdoor Heated, for 100 chicks | 13.50 |
| No. 5 Indoor Fireless, 25 chicks | 1.75 |
| No. 6 Indoor Fireless, 50 chicks | 2.75 |

STANDARD 60-EGG INCUBATOR



NO. 5 INDOOR LAMPLESS BROODER

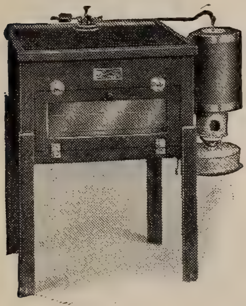
BUCKEYE BROODER, NO. 2

# Pra[illegible] Incubators and Brooders

## Pratt’s [illegible]NDARD” INCUBATORS

ESSEX-MODEL
INCUBATOR OF QUALITY

[illegible] being the only Incubators built of hardwood [illegible] chestnut), they possess double walls and tops, thoroughly insulated and packed; doors of double glass; metal heaters with heavy asbestos jacket; new 1913 self-adjusting lamp support; and are equipped with the **Essex Corrugated Thermostat** (Patented), the most sensitive and quickest-acting Heat Regulator made. They combine in the highest degree **strength, durability, finish,** and **hatchability.** (If you would like any more information, please write for the Essex Model Big Annual Catalog.)



All Incubators are supplied complete with Lamp, Thermometer, and Egg Tester—no extras for you to buy.

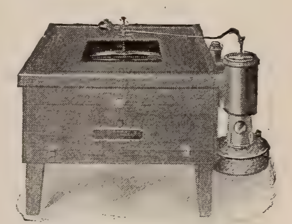
## THE ESSEX MODEL, “MIDDLE PRICE”

### Mission Finish—Latest Style Made

These “Middle Price” machines are built for those earnest poultry keepers who want a reliable hatcher, but who are not prepared to buy a more highly finished “Standard” machine. They have double insulated packed walls and top and heater, thermostat and lamp support similar to the “Standard” Essex Model. Costs less by about one-half than any other *make* of high grade machines.

## THE ESSEX MODEL, “NEW HOMESTEAD”

### The Best of Low-Priced Machines



A high-class hot-water incubator at a price that is unusually low. Constructed of first-class material, having an attractive rosewood finish, a heating equipment composed of non-rust copper—not galvanized iron; and an egg capacity equal to that of much higher-priced machines.

A new feature in this machine is the double glass in the top through which the eggs and chicks may be seen in course of incubation. The thermometer is also in full sight.

## ESSEX MODEL C OUTDOOR BROODER

Size 72 x 34½ inches

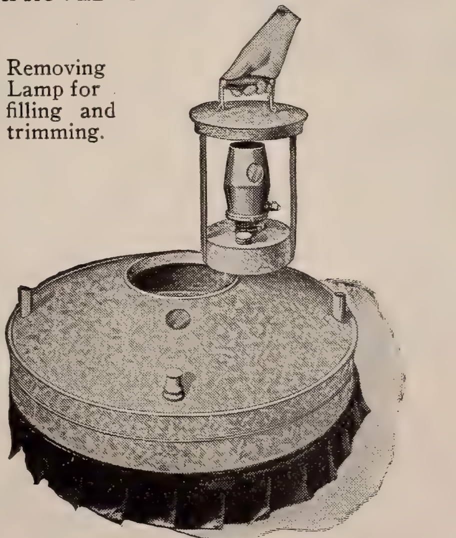
This is without doubt the best Brooder on the market, and the most popular. **It was the original “Colony” Brooder of America; and our 1913 improvements place it further in the lead than ever.** The double-hinged combination ventilating door and window is most convenient and useful. The window opening is covered with fine rat-proof wire on a removable frame. The roof is of matched boards covered with enameled rolled steel, and doubly insulated. In the Essex Model Brooders (as in no others) the chicks can be readily seen by simply lifting the hover without having to unscrew or remove any of the parts. Take a look under the hover every day. That’s the way to raise chicks.

| “Standard” | | | “Middle-Price” | | |
|---|---|---|---|---|---|
| No. 0 | 100 Eggs, | $18.00 | New Homestead, | 70 Eggs, | $8.50 |
| No. 1 | 175 “ | 23.00 | No. A | 70 “ | 11.00 |
| No. 2 | 275 “ | 32.00 | No. B | 120 “ | 14.00 |
| No. 3 | 410 “ | 37.00 | No. C | 200 “ | 20.00 |
| No. 4 | 324 Duck, | 40.00 | | | |

## BROODERS

| | | | |
|---|---|---|---|
| New Homestead.. | $ 6.00 | Colony A......... | $11.50 |
| Double Homestead | 10.00 | Colony B......... | 14.00 |
| Portable Hover... | 7.50 | Colony C......... | 17.00 |

## IMPROVED CHICK COMFORT HOVER



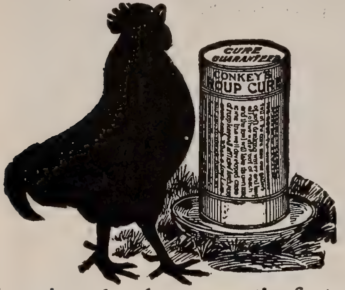
The only hover that is absolutely portable-removable. May be used on the floor of a room or brooder house, or in a colony coop, piano box, or packing case and broods the chicks perfectly. The only one automatically providing ventilation under the hover. Made wholly of metal (except the curtain), is lice proof and fire proof. Hovers 28 inches in diameter. Holds 150 chicks. Price, $8.50.

# Conkey's Poultry Remedies

**We have a complete line of these celebrated remedies which have built their reputation upon the scientific basis of one remedy for each disease.**

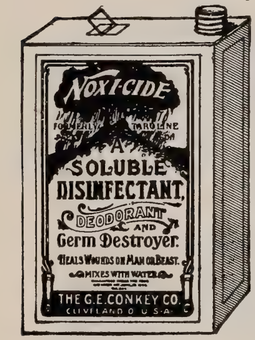
These goods are absolutely guaranteed, and we offer them to you on this basis: If they fail to satisfy you in any particular, your money will be refunded to you cheerfully. Limited space will not permit descriptions of each of these remarkable remedies, but we will mention a few briefly and list the rest.

### Conkey's Roup Remedy



This is the best known remedy for Roup. Every civilized country of the world knows and uses it as the one reliable means of curing Roup, when given in anything like reasonable time. It is a cure, a tonic and a preventive. You should have it on hand to use at the first signs of the trouble, though it generally cures even in advanced stages of the disease. It kills the germ, purifies the blood and tones up the general health of your flock. **Price:** 25c, 50c, and $1.00, postpaid.

### Conkey's Nox-i-cide


Nox-i-cide
A Soluble Disinfectant, Deodorant and Germ Destroyer.
Heals Wounds on Man or Beast.
Mixes with water
The G.E. Conkey Co.
Cleveland O U.S.A.

The greatest disinfectant and germ destroyer known and invaluable to the poultryman or stockman.

It kills the germs which are responsible for most diseases, cleans and purifies, removes odors, prevents flies from breeding, promotes the health and comfort of your fowls and animals. Mixed with water, 1 gallon Nox-i-cide makes 101 gallons good disinfectant. Good for scores of uses around the poultry yard, barn and household. Send for special booklet on Nox-i-cide, 40 pages, illustrated. **Prices:** Pt., 35c; qt., 60c; ½ gal., 90c; gal., $1.50. Express extra.

### Conkey's Lice Powder

The strongest and most effective Lice Powder for body lice ever made. It doesn't scare, stun or drive the lice away—it kills them on the spot. Lice simply can not live where Conkey's Lice Powder is properly used. Liberal samples for 4c in stamps. **Prices:** 5-oz. pkg., 10c (15c postpaid); 15-oz., 25c (40c postpaid); 48-oz., 50c; 100-oz., $1.00, express extra.

### Conkey's Lice Liquid

A powerful liquid that will destroy the thousands of red mites that live in the cracks and crevices of the house and nests in the day and swarm the fowls' bodies at night. You can't reach them with a powder. Conkey's Lice Liquid is the preparation that will immediately and entirely rid your poultry house of the blood suckers and profit killers. **Prices:** 1 qt., 35c; 2 qt., 60c; 1 gal., $1.00; express extra.

### Conkey's Head Lice Ointment

Save your little chicks from the ravages of the deadly head lice. Conkey's Head Lice Ointment is instant death to the head lice, absolutely harmless to the little chicks. Easy to apply. 10c and 25c, postpaid.

### Conkey's Laying Tonic

Conkey's
Laying Tonic
To promote egg production in a natural manner
For chickens, turkeys, ducks & geese
Full directions inside package
Price 25¢
The G.E. Conkey Co.
Cleveland, Ohio, U.S.A.

This actually makes hens lay without harming them. It is not a food in itself, and you escape paying for bran and middlings, which comprise the bulk of inferior egg producers, and which you can supply for less money from your own bins. *There is not one particle of filler in this tonic.* It means vigor to your fowls, and is the greatest egg-producer known. 1½ lbs., 25c; 3¼ lbs., 50c; 7 lbs., $1; 25 lbs., pail, $3. Expressage extra.

**White Diarrhoea Remedy,** 50c, postpaid.

**Bronchitis Remedy,** 50c, postpaid.

**Cholera Remedy,** 25c and 50c, postpaid.

**Gape Remedy,** 50c or 60c, postpaid.

**Chicken Pox Remedy** (for sore head), 50c or 55c, postpaid.

**Limber Neck Remedy,** 50c or 55c, postpaid.

**Scaly Leg Remedy,** 50c or 55c, postpaid.

**Healing Salve,** 25c, postpaid.

**Rheumatic Remedy,** 50c or 55c, postpaid.

**Poultry Laxative,** 25c, postpaid.

**Flea Salve** (for Southern Sticktight), 25c. or 30c, postpaid.

**Poultry Tonic,** 25c or 30c, postpaid.

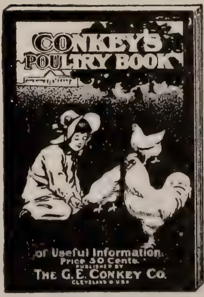
**Powder Disinfectant,** 1 lb., 25c.

**Sulphur Candles,** 10c each, 3 for 25c, $1.00 per dozen. 5c each for postage or express.

### CONKEY'S DOG REMEDIES

Mange Remedy, 50c and 75c, express paid.
Distemper Remedy, 50c and 60c, postpaid.
Dog Tonic, 50c or 65c, express paid.
Worm Drops, 50c or 65c, express paid.

### Conkey's Big 72-Page Poultry Book FREE



This is a book that every poultry raiser should have, and no poultryman who has ever had a copy would be willing to give it up at any price. Highly endorsed by the expert and thoroughly appreciated by the amateur. It is practical, helpful, concise and complete. In plain, common-sense terms it treats the whole subject from the profit-making angle. It deals with the important questions of housing, breeding, feeding, incubation, diseases in a sensible, practical manner that will save your money and insure success if you follow its simple instructions. The latest edition regularly sells for 50c, but it's yours free, for 4c in stamps to cover postage.

# *Pratt's* Tonics and Remedies

## Pratt's POULTRY REGULATOR

**A Guaranteed Egg Producer**

Pratts
GUARANTEED EGG PRODUCER
PRATTS POULTRY REGULATOR
SURE REMEDY FOR
Pratt Food Co.

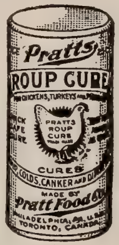
1st—It will help you raise your little chicks, make them grow rapidly and develop into fine broilers or good layers.

2d—It will keep the flock healthy, prevent chicken diseases, improve the appearance of all the birds and will greatly increase the egg production.

3d—It is the best tonic, regulator, egg producer, and disease destroyer ever made.

12-lb., pail, $1.25; 25-lb., pail, $2.50; 100-lb., bag, $9.00. Also in 25-cent, 50-cent, and $1.00 packages.

## Pratt's ROUP CURE


Pratts
ROUP CURE
CURES COLDS, CANKER AND DI
Pratt Food Co.

not only cures roup, but prevents it. It also cures colds, canker, catarrh, and diphtheria, and it should be given to all fowls frequently to keep the disease away. Every poultryman should try it; there is nothing equal to it. A 25-cent package makes 15 gallons of roup medicine and a 50-cent package 38 gallons.

Include it in your order today—25 cents and 50 cents.

PRATTS LICE KILLER
FOR POULTRY
PRATT FOOD COMPANY

## Pratt's LICE KILLER

**(Powdered Form)**

quickly and thoroughly kills all lice on poultry. It should be used on little chicks, big chicks, sitting hens, and incubator chicks. The nests, litter, and dust baths should be sprinkled with it. A lousy hen is a poor layer. Order this remedy and lice will be no more.

For lice in crevices, cracks, etc., use Pratt's Liquid Lice Killer—the strongest liquid preparation made. 25 cents and 50 cents.

## Pratt's WHITE DIARRHOEA REMEDY

Pratts
White Diarrhoea Remedy
Little Chicks Adult Fowls
Pratt Food Co.

This remedy will positively cure this deadly disease and save many dollars' worth of little chicks to poultry raisers. It has taken us nearly three years to find a formula to destroy the White Diarrhœa germ, and we are so sure that we have it in this article that we authorize our dealers throughout the world to refund the purchase price in case it fails.

25 cents and 50 cents a box.

## Pratt's DISINFECTANT—For Poultry

Pratts
Poultry Disinfectant
For Poultry Houses

This is an excellent disinfectant for poultry houses and runs. It keeps the houses free from lice, and in a clean, sanitary condition. Houses, nests, porches, and all utensils should be sprayed every ten days with Pratt's Disinfectant.

1 quart, 35 cents; 2 quarts, 60 cents; 1 gallon, 1.00.

## Pratt's CHOLERA REMEDY

Pratts
Cholera Remedy
Pratt Food Co.

Cholera can be quickly cured by the use of Pratt's Cholera Remedy; satisfaction guaranteed or money refunded. Also invaluable for sour crop, indigestion, and bowel troubles.

25 cents and 50 cents.

Mailed postpaid on receipt of price.

Pratts
Gape Remedy
MADE BY Pratt Food Co.
PHILADELPHIA PA. USA TORONTO CAN.

## Pratt's GAPE REMEDY

An unfailing guaranteed remedy for Gapes. If used in the drinking water from the start until the chicks are four weeks old, gapes will be practically unknown.

Price, 25 cents and 50 cents.

Will mail postpaid upon receipt of price.

## Pratt's LIQUID LICE KILLER

Pratts
LIQUID LICE KILLER
Pratt Food Co.

is the strongest liquid preparation on the market for the destruction of poultry lice and lice on horses, cattle, cows, and hogs; ticks on sheep, and fleas on cats and dogs. It is invaluable for household use, for cleaning and disinfecting drains, sinks, slop pails, cellars, stables and outhouses. Pratt's Liquid Lice Killer is not only the surest, quickest, and most effective, but also the cheapest.

Sold in 35 cent, 60 cent and $1.00 cans.

## Pratt's HEAD LICE OINTMENT

Causes immediate death to the Head Lice which kill so many thousands of little chicks yearly. It is non-poisonous, and is also the best remedy for Scaly Legs. Sold in 10c and 25c tins.

## Pratt's ANIMAL REGULATOR

**A regulator, appetizer and digestive Tonic for Horses, Cows, Sheep, and Hogs.**

It regulates the blood, liver, and digestive organs of all animals, and as it causes perfect assimilation and digestion, all the nutriment of the feed given is turned into flesh, strength, growth and bone. Prices, 25c, 50c, and 75c a package.

## PRATT'S POULTRY WRINKLES

**A Practical Book**

Containing the most improved methods for making poultry pay. FREE.

## PRATT'S ALMANAC FOR 1913

**An Encyclopedia and Handbook of General Information. FREE.**

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# The W. W. BARNARD COMPANY

231-235 West Madison Street, CHICAGO

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**Terms** All goods handled by us being of HIGHEST GRADE and priced, as we believe, as low as is consistent with their superior quality, we sell for Cash at the NET prices named throughout our catalogue (except as otherwise stated). Shipping C. O. D. adds unnecessary labor and expense.

**Delivery** We mail and pay the postage on all seeds ordered by the packet, ounce, and ¼ lb. If larger quantities are to be mailed, add postage at the rate of 8c per lb.; 15c per quart for Peas and Beans, 10c per quart on Corn, to the prices quoted. Seeds in quantities of half pounds, pounds, pints and quarts, pecks and bushels, bulbs, plants, shrubs, and other heavy and bulky goods are forwarded by freight or express at the expense of the purchaser. Packing and delivery to freight or express offices in Chicago free.

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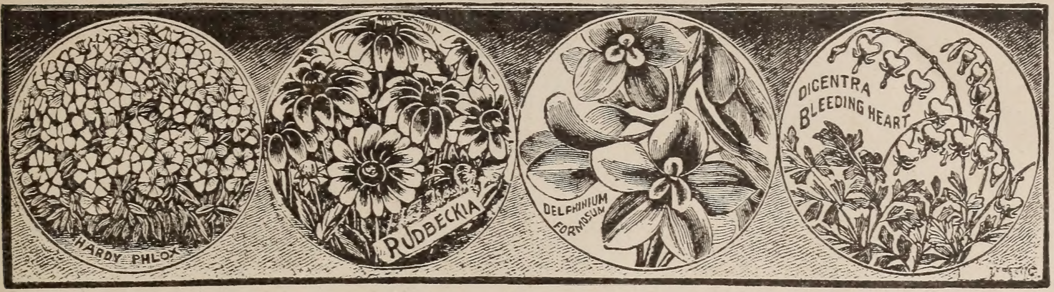
# OUR COVER ILLUSTRATIONS

FRONT COVER: **Oriental Poppies.** Handsome, Showy Flowers.
BACK PAGE: **Seven Good Vegetables.** A Popular and Desirable Selection.



FOUR FINE HARDY PERENNIAL PLANTS FOR THE GARDEN BORDER

## ORIENTAL POPPIES

*See Front Cover of this Catalog*

No perennial garden should exist without some of these handsome, showy Poppies. Either massed in beds or interspersed among shrubbery, they are equally satisfactory. The large flowers, ranging from pink to crimson, are gracefully carried on long, slender stems which rise from a mass of beautiful, fern-like foliage. The flowers remain in bloom a long time, and if cut before going to seed, the plants occasionally bloom the second time the same season. The roots require a protection of leaves or litter during the winter. **Seeds,** colors mixed, pkt., 5c. **Plants,** each 25c; 6 for $1.25, postpaid; doz., $2.00, not prepaid.

## HARDY PERENNIALS

*See Plant Department of this Catalog*

Those who do not cultivate the sturdy, hardy plants have little conception of the great pleasure to be derived therefrom. A well-arranged plant border, even a very small one, on a city lot, will produce from April to October a constant succession of beautiful flowers not only useful for garden adornment but for cut flower purposes as well.

Perennials are perfectly hardy in the open ground, and die down only to the roots at the approach of cold weather. Once planted, they become a lasting pleasure. Failure with them is practically impossible. They succeed admirably upon all sorts of soil and in any situation that is not too greatly shaded.

## SEVEN GOOD VEGETABLES

ILLUSTRATED IN COLORS ON BACK PAGE

For the convenience of those who purpose having a small vegetable garden but are in doubt as to the most suitable varieties to plant, we offer this selection of **Seven Good Vegetables** with utmost confidence that the results will be satisfactory to all. The seeds are put up in well-filled packets with printed cultural directions and colored illustration upon each. Raise your own vegetables and have them fresh from your own garden daily. Their care will bring you pleasure as well as profit.

**BEAN—HODSON WAX.** Very prolific, bearing large clusters of long, straight, light-yellow pods, which for an unusually long period remain crisp and tender.

**PEA—RICHARD SEDDON.** A new dwarf wrinkled variety of exceptional merit. The vines grow from 18 to 21 inches in height, and are heavily set with well-filled pods. The peas are large, sweet, and of finest flavor. This variety has proved itself a sure cropper and is one that must meet with universal favor.

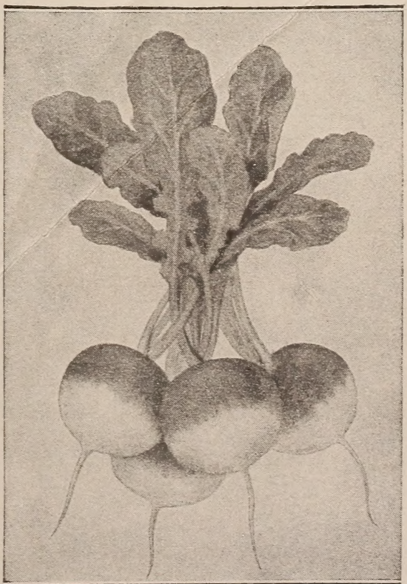
**LETTUCE—BIG BOSTON.** The market gardener's favorite head lettuce. Very hardy, and adaptable to all parts of our country and to nearly every soil. The heads are large, compact, and of splendid quality.

**CUCUMBER—DAVIS' PERFECT.** The best white spine variety for slicing and pickling. It is ideal in shape, rich, dark green color, uniform and regular in size.

**BEET—BARNARD'S EDMAND'S.** A splendid table beet; globular in shape; flesh and skin dark red; very sweet and tender. One of the very best for either private or market gardener to plant.

**RADISH—SPARKLER.** In shape it is globular; the top is very short, thus making it adaptable for forcing, although it is equally good for outside. The color is a rosy carmine, with a large white tip. Sparkler can be grown the year round.

**TOMATO—EARLY DETROIT.** The best of the early deep pink sorts. Large fruit of the handsome, globe-shaped type. One of the finest for slicing as the skin is exceptionally smooth and the meat solid and of rich flavor.



SPARKLER RADISH

**One packet each of the above seven good vegetables for 25c.** If larger quantities of Beans and Peas are desired, we will send cartons in place of packets for 15c additional, or 40c in all.

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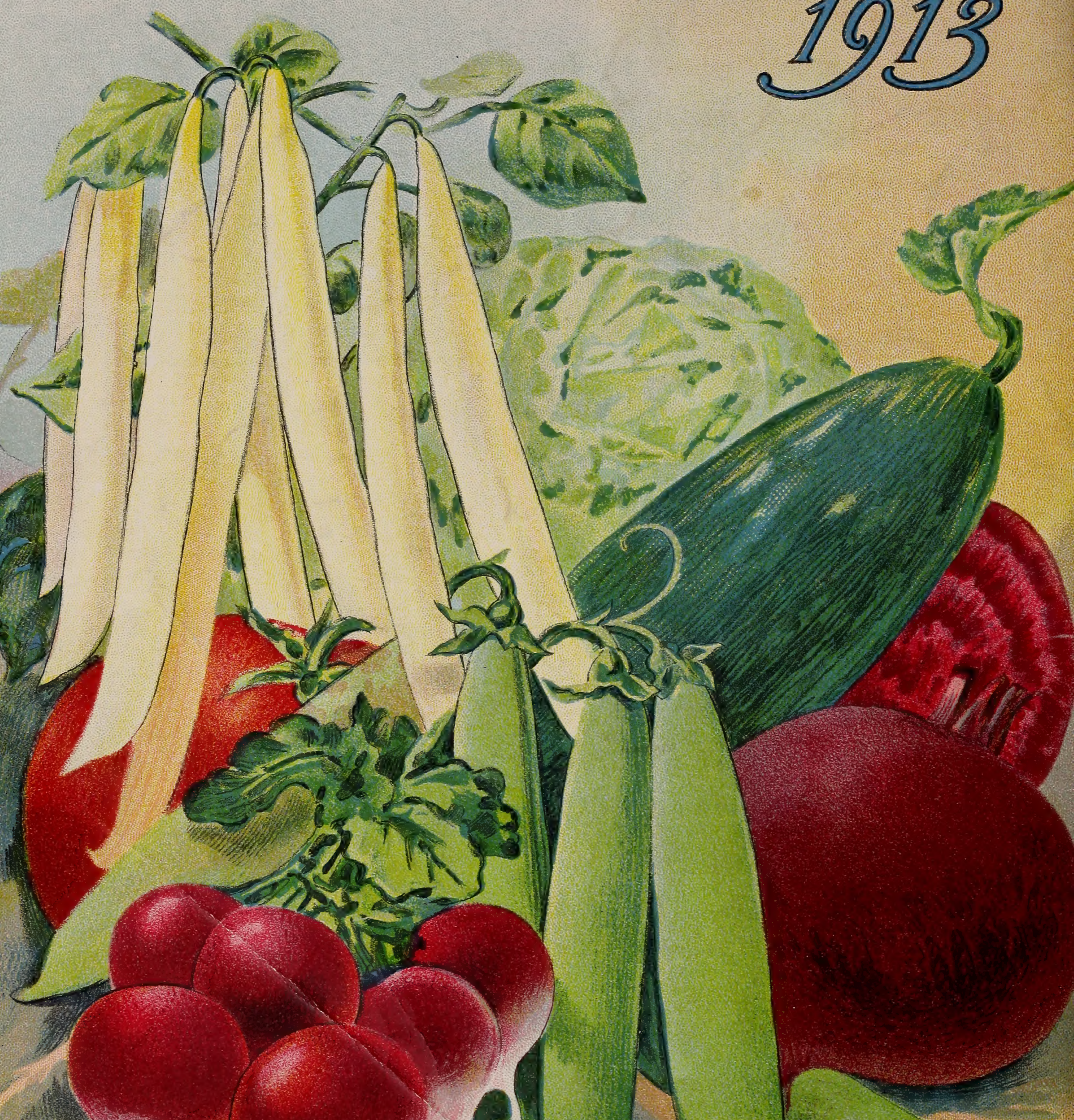

# SEVEN GOOD VEGETABLES

See inside of cover page for Description and Special Offer.